Denis L. Brown

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Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Former Shell Service Station
1285 Bancroft Avenue
San Leandro, California
SAP Code 136017
Incident No. 98996067
ACHCSA Case No. 988

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

Denis L. Brown
Project Manager

CAMBRIA

February 9, 2007

Mr. Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Agency Response and Proposed Future Actions**
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, California
Incident No. 98996067
Project No. 248-0504
RO0000156

Dear Mr. Wickham:

Cambria Environmental Technology, Inc. (Cambria) prepared this *Agency Response and Proposed Future Actions* document on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell). The document was prepared in response to the Alameda County Health Care Services Agency (ACHCSA) correspondence dated October 20, 2006 and includes responses to the technical comments in that correspondence, hydrogeologic cross sections, an updated Site Conceptual Model (SCM), a risk evaluation, and recommendations for additional work at this site.

SITE BACKGROUND

Site Location: The operating Shell-branded service station is located at the northwest corner of Bancroft and Estudillo Avenues in San Leandro, California (Figures 1 and 2). There are three underground storage tanks (USTs) on site, two dispenser islands, and one station building with three automobile service bays.

Project History: A detailed chronologic description of historical investigative and remedial activities at this site is provided in Attachment A.

Surrounding Land Use: The area surrounding the site is primarily residential.

Local Topography: The site is approximately 65 feet above mean sea level and slopes very gently to the west, toward San Francisco Bay. San Leandro Creek is located approximately 500 feet northwest of the site.

Local Geology: Sediments beneath the site are Quaternary alluvial deposits derived from sedimentary and igneous rocks of the Diablo Range from the Holocene formation. The Hayward

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Fault Zone lies approximately one mile east of the site. The site is underlain by low estimated permeability sediments (clay) with interspersed moderate estimated permeability sediments. During recent investigations at the site, soil consisted of silty clay, clayey silts and clayey sandy silt interlaid with sands and gravels to the total explored depth of 60.0 feet below grade (fbg).

Groundwater: Groundwater beneath the site typically flows in a south-southwesterly direction with seasonal variations to both the southwest and northwest. Depth to water beneath the site has historically ranged between 32 and 38 fbg. A groundwater contour map from the Fourth Quarter 2006 is included as Figure 2.

AGENCY RESPONSE

In their October 20, 2006 correspondence, the ACHCSA discussed concerns about elevated concentrations of petroleum constituents in groundwater near well MW-5 onsite and southwest of the USTs. The ACHCSA states that more aggressive remediation of the source area is required due to the presence of numerous water producing wells within 2,000 feet of the site. Cambria provides responses to the technical comments in the ACHCSA letter in this document, and makes recommendations for additional work.

Hydrogeologic Cross Sections

In the Technical Comment #5, ACHCSA requested preparation of hydrogeologic cross sections. Because of the significant amount of data requested for inclusion on the cross sections and the scale required by the vertical and horizontal distances covered by previous investigations, Cambria generated two sets of cross sections. All of the cross sections provide the lithologic information; however, Figures 3A and 3B present Cross Sections A-A' and B-B', respectively and include soil and grab groundwater analytical data, plus the depth of first encountered groundwater in the borings. Figures 4A and 4B present Cross Sections A-A' and B-B', respectively, and include the groundwater elevation and analytical data from the groundwater monitoring event which occurred on October 19, 2006.

Vertical Delineation

In Technical Comment #4, ACHCSA requested a review of the adequacy of existing soil and groundwater data to characterize the vertical extent of contamination. After studying the enclosed cross sections, the contaminant concentrations and trends in the monitoring well network, and updating the SCM presented herein, Cambria provides the following statements concerning the adequacy of delineation at this site:

- The horizontal and vertical extent of impacted soil is well delineated by the borings and wells installed at this site. The extent of soil impact appears to be limited to a relatively close proximity to the UST complex.

- Although the extent of impacted soil is well defined, Cambria finds that better characterization of the source area is needed in order to evaluate the necessity and practicality of source-area soil remediation.

- Groundwater impact is concentrated in a coarse-grained lens that is present in most borings at varying depths between approximately 30 – 40 fbg. Another coarse-grained zone appears to be present beginning at around 55 fbg; the vertical extent of which is unknown. The highest petroleum concentrations reported in a water sample from this site were reported in the grab groundwater sample from approximately 38 fbg in boring SB-7 (August 2003). This interval is monitored by wells MW-5, MW-6, and MW-1, which screen across the same interval and are located to the north-northwest, west-northwest, and west of boring SB-7, respectively. Further downgradient of these wells, a grab groundwater sample from boring SB-4 was obtained from the coarse-grained lens at the same elevation as SB-7. The grab groundwater results from SB-4 (August 2003) were below method detection limits for the constituents of concern. The filter pack material for monitoring well MW-12 also intersects this same unit, and thus samples from MW-12 represent this coarse-grained zone. Thus, the impacted groundwater at 38 fbg in SB-7 is adequately delineated and monitored, and is not horizontally extensive.

- Technical Comment #4 specifically requests review of the deeper coarse-grained unit, in which hydrocarbon sheen was noted on the boring log of MW-2. The deeper coarse-grained unit is intersected by several monitoring wells (MW-1 through MW-4); however, all four of these wells have screens, which intersect the shallower coarse-grained zone, so none of the water samples from these wells strictly represent the deeper zone. Also, none of the historical grab groundwater samples were obtained within the deeper coarse-grained unit. Thus, the vertical extent of groundwater impact is not well defined. For reference, the well construction specifications are presented on Table 1, Boring/Well Data.

Fourth Quarter Groundwater Monitoring and Volatile Organic Compounds

Technical Comments #6 & #7 refer to the groundwater monitoring and reporting program for this site. Comment #6 establishes the reporting schedule. Shell is in compliance with the schedule and the *Groundwater Monitoring Report – Fourth Quarter 2006* was submitted on January 30,

2007. Because the data from that event is used and referenced in this submittal, the historical groundwater monitoring data table is included as Attachment B, for reference.

Blaine Tech Services, Inc. (Blaine) gauged and sampled the site wells on October 19, 2006, in accordance with the established protocol. To address the Technical Comment #7 of the ACHCSA October 20, 2006 letter, volatile organic compounds (VOCs) were added to the chain of custody for this event. Figure 2 presents the Groundwater Contour and Chemical Concentration Map for this event. The VOCs (other than the BTEX and fuel oxygenates reported on the table in Attachment B) detected in the site wells are summarized on Table 2 and selected chlorinated hydrocarbons (tetrachloroethene, trichloroethene, and chloroform) are presented on Figure 5. A summary of the results of the Fourth Quarter event and VOCs analyses is presented below:

- The depth to groundwater measured in the monitoring wells ranged from 33.5 to 37.18 feet below top of well casing. The depth to water in the irrigation well, IW-1, was measured at 32.85 fbg. The groundwater elevations ranged from 30.04 to 30.57 feet mean sea level.

- Groundwater flows to the southwest at a fairly flat hydraulic gradient of 0.002. This is consistent with previous events for this site;

- TPHg was reported in wells MW-2 through MW-6, and MW-9. The maximum concentration observed was 35,500 micrograms per liter (µg/l) in MW-5. TPHg was below the detection limit of 50 µg/l in wells MW-1, MW-7, MW-8, and MW-10 through MW-12.

- Benzene was reported in wells MW-2, MW-3, MW-5, MW-6, and MW-9. The maximum concentration observed was 275 µg/l in well MW-5. Benzene was below the detection limit of 0.500 µg/l in wells MW-1, MW-4, MW-7, MW-8, and MW-10 through MW-12.

- MTBE was reported in all wells except MW-7, MW-11, and MW-12. The maximum concentration observed was 1,020 µg/l in well MW-6.

- Other VOCs were reported in various wells, and are tabulated on Table 2. Most are consistent with gasoline fuel; however, some chlorinated hydrocarbons were reported.

    - Of the chlorinated hydrocarbons detected, tetrachloroethene (PCE) was reported in every well except MW-5, MW-6, and MW-10. The maximum concentration of PCE was 7.46 µg/l in well MW-7;

- Trichloroethene (TCE) was reported in one monitoring well (MW-9) at 0.500µg/l; and

- Chloroform was reported in one well (MW-11) at 3.49 µg/l.

- Irrigation well, IW-1, was below the laboratory method detection limits for all constituents with the exception of 1.14 µg/l total xylenes and 3.22 µg/l PCE.

Site Conceptual Model

Based on recent data, Cambria updated the November 2003 Site Conceptual Model (SCM), as referenced in the Technical Comment #1. Attachment C includes the updated SCM in table format and applicable attachments to the SCM are provided in Attachment C. The recommendations presented in the SCM are presented at the end of this document.

RISK EVALUATION

In Technical Comment #2, the ACHCSA requested plans for interim remediation of the contaminant source area beneath and adjacent to the USTs based on continued detection of elevated concentrations of dissolved phase hydrocarbons in site groundwater and because there are numerous wells located within 2,000 feet of the site. Upon review of the historical monitoring data for this site, it does not appear that significant migration of the contaminants has occurred over the history of monitoring the offsite wells (since 1999) and many wells are exhibiting decreasing trends over time. The nearest offsite well is sampled quarterly.

The nearest downgradient receptor well (shown as 25L1 on Figure 1 and named IW-1 on Figure 2), is located approximately 150 feet west of the site. When last investigated, this well was operated periodically for irrigation of landscape at the nearby apartment complex. The residents at the complex are supplied drinking water by municipal sources, thus, the well is not used for consumption. Although the Fourth Quarter 2006 monitoring data indicated xylenes and PCE in the groundwater at IW-1 and MW-12, further monitoring is prudent to confirm these results and to monitor the trends and concentrations in relation to appropriate Environmental Screening Levels (ESLs) for the groundwater use.

The RWQCB Basin Plan designates the San Leandro Sub-Basin as existing municipal and domestic, agricultural, industrial, and process water supply beneficial uses. However, as stated in the *East Bay Plain Groundwater Basin Beneficial Use Evaluation Report,* (California Regional Water Quality Control Board – San Francisco Bay Region, June 1999), the city of San Leandro

does not have "any plans to develop local groundwater resources for drinking water purposes, because of existing or potential saltwater intrusion, contamination, or poor or limited quantity." Cambria asserts that drinking water ESLs do not apply to this for the following reasons:

- Monitoring wells MW-7, MW-8, MW-10, MW-11, and MW-12 define the petroleum plume in the groundwater to below drinking water ESLs (PCE was reported above the 5.0 µg/l drinking water ESL in wells MW-7 and MW-8);
- No drinking water receptors are located within the area monitored by the site's well network;
- It is unlikely that a drinking water well would be installed at the subject gas station site;
- Based on poor or limited quantity of groundwater in San Leandro, it is unlikely that a drinking water well would be installed in this area in the near future.

In order to determine whether interim remediation is warranted at this site, this section provides an evaluation (Tier 1) of the risk posed by the groundwater plume to potential offsite non-drinking water receptors using Table B of the ESLs published in San Francisco Bay RWQCB's *Screening For Environmental Concerns At Sites With Contaminated Soil and Groundwater* (Interim Final – February 2005).

The chemicals of concern at this site are TPHg, BTEX, MTBE, TBA, PCE, TCE, and chloroform. The ESLs listed on Table B of the above-referenced document for these constituents are shown in Table A, below. Also presented are the maximum groundwater concentrations for each constituent in the offsite wells (MW-6, MW-7, MW-8, MW-10, MW-11, and MW-12), and the concentrations in the irrigation well (IW-1).

TABLE A.

	Lowest Non-Drinking Water ESL (from Table B)	**Maximum Concentration in Offsite Monitoring Wells (October 2006 or as noted)**	**Irrigation Well (IW-1) (October 2006 or as noted)**
Constituent	**Units reported in µg/l**		
TPHg	500	**3,230** (MW-6; all others <50)	<50
Benzene	46	**175** (MW-6; all others <0.5)	<0.5
Toluene	130	25.3 (MW-6; all others <0.5)	<0.5
Ethyl benzene	290	**431** (MW-6; all others <0.5)	<0.5
Xylenes	100	**416** (MW-6; next highest is 1.33)	1.14
MTBE	1,800	1,020 (MW-6; next highest is 12.6)	<0.5
TBA	18,000	370 (MW-6; July 2006)	<10 (July 2006)
PCE	120	7.46 (MW-7)	3.22

TCE	360	0.500 (MW-9; all others <0.5)	<0.5
Chloroform	330	3.49 (MW-11; all others <0.5)	<0.5

As shown in bold on Table A, concentrations of TPHg, benzene, ethyl benzene, and xylenes in well MW-6 exceed the lowest ESLs established for the protection of non-drinking water receptors. None of the other offsite wells (MW-7, MW-8, MW-10, MW-11, MW-12) or the irrigation well (IW-1) exceed any of the lowest non-drinking water ESLs. Thus, with the potential exception of groundwater concentrations near MW-6, the subject site does not appear to pose any threat to offsite receptors. The ESLs that are exceeded by concentrations in MW-6 are based upon "chronic aquatic habitat goals". Since there are no surface water bodies near MW-6, further evaluation (Tier 2) of the potential risks posed by the TPHg, benzene, ethyl benzene, and xylenes in groundwater near MW-6, is presented below.

In addition to aquatic habitat goals, Table F-1b of the SFBRWQCB ESL document provides groundwater ESLs based on gross contamination ceiling value (odors, etc), and for potential vapor intrusion into buildings. The gross contamination ceiling values are not applicable to groundwater at MW-6 since there is no surface discharge of that groundwater (with the exception of the sampling technicians who are trained to encounter impacted groundwater). However, the potential vapor intrusion into offsite buildings warrants the Tier 2 evaluation. Table B, below, presents the Vapor Intrusion into Building ESLs (from Table F-1b of the SFBRWQCB ESL document), and the October 2006 concentrations from MW-6 for TPHg, benzene, ethyl benzene, and xylenes.

Table B

	Vapor Intrusion Into Buildings	**MW-6 Concentrations October 2006**
Constituent	**Units reported in µg/l**	
TPHg	Use soil gas samples	3,230
Benzene	540	175
Ethyl benzene	17,000	431
Xylenes	160,000	416

The groundwater concentrations at MW-6 do not exceed the ESLs for benzene, ethyl benzene, and xylenes. Table F-1b does not list an ESL for potential vapor intrusion for TPHg, and the RWQCB ESL document recommends that soil gas samples be collected in order to directly evaluate the potential threat to indoor air. Historically, soil gas sampling has occurred at this site and the results presented in previous document submittals and described in Attachment A, hereto. Further, as discussed in the SCM (Attachment C), a comparison of the soil gas samples collected with applicable ESLs at the time did not indicate a vapor threat existed at that time.

Cambria concludes that no further assessment of offsite vapor intrusion appears warranted because:

- the previous soil vapor samples did not show TPHg to be a potential vapor threat;
- significant attenuation in soil vapor concentrations occurred with distance from the groundwater toward the ground surface,
- groundwater concentrations in well MW-6 have declined at least one order of magnitude since the performance of the soil vapor sampling;
- the other volatile gasoline constituents are well below the vapor intrusion ELSs.

Risk Evaluation Conclusions: At this time, it appears that the conditions beneath the subject site do not pose a threat to onsite or offsite receptors. However, as presented below, additional investigation is recommended. Based on the results of the proposed investigation, the risk to receptors should be re-evaluated.

CONCLUSIONS AND RECOMMENDATIONS

Concentrations of petroleum hydrocarbons and fuel oxygenates remain elevated in groundwater samples collected immediately downgradient of the UST complex and the extent of impacted soil in this area has not been delineated. Although Technical Comment # 2 requested a remedial action plan for remediating the source area near the USTs, Cambria asserts that additional information is needed in order to determine the necessity, nature, and type of remediation system, interim or permanent, for this site.

Based on the site's history and current conditions, Cambria recommends the following actions:

- Continued groundwater monitoring on the established schedule with the inclusion of VOCs for one complete hydrologic cycle;
- Perform a CPT investigation to obtain continuous lithologic information to 90 fbg along the direction of groundwater flow, and collection of depth-discrete groundwater samples from the shallow coarse-grained zone, the deeper coarse-grained zone, and deeper still, for vertical assessment. As depicted on Figure 6, the proposed locations of four CPT borings are located upgradient of the site, near well MW-2, near well MW-1, and downgradient of the site. The upgradient location is warranted to evaluate whether other sources are contributing to the plumes beneath the site.

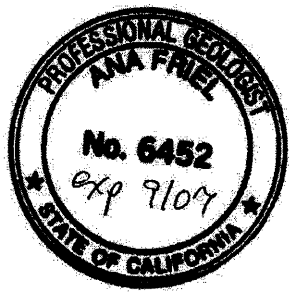
- Soil sampling near the UST complex for obtaining shallower soil samples than previously collected at MW-2, and to collect deeper samples for comparison of degradation of soil concentrations over time. Four proposed boring locations are shown on Figure 6 and will extend to 35 fbg. Based on the results of these borings, Shell and Cambria will evaluate whether remedial activities are warranted.

Schedule: Upon receipt of agency concurrence with these recommendations, a work plan will be prepared. A meeting to review the information and recommendations in this document and confirmation of a proposed scope of work prior to work plan preparation may be prudent.

CLOSING

If you have any questions regarding the contents of this document, please call Ana Friel at (707) 268-3812

Sincerely,
Cambria Environmental Technology, Inc.



Ana Friel, PG
Associate Geologist

Figures:

1. Vicinity Map
2. Groundwater Contour and Chemical Concentration Map – October 19 2006
3A. Geologic Cross Section A-A', Investigation Data
3B. Geologic Cross Section B-B', Investigation Data
4A. Geologic Cross Section A-A', October 2006 Monitoring Data
4B. Geologic Cross Section B-B', October 2006 Monitoring Data
5. Chlorinated Hydrocarbon Chemical Concentration Map – October 19, 2006
6. Proposed Boring Location Map

Tables:

1. Well/Boring Data
2. Additional VOCs in Groundwater

Attachments:

A. Site Background and Project History
B. 4Q06 Groundwater Monitoring Data Table
C. Site Conceptual Model

cc: Denis Brown, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810
Ivan G. and Joanne Cornelius, 198 Juana Avenue, San Leandro CA 94577

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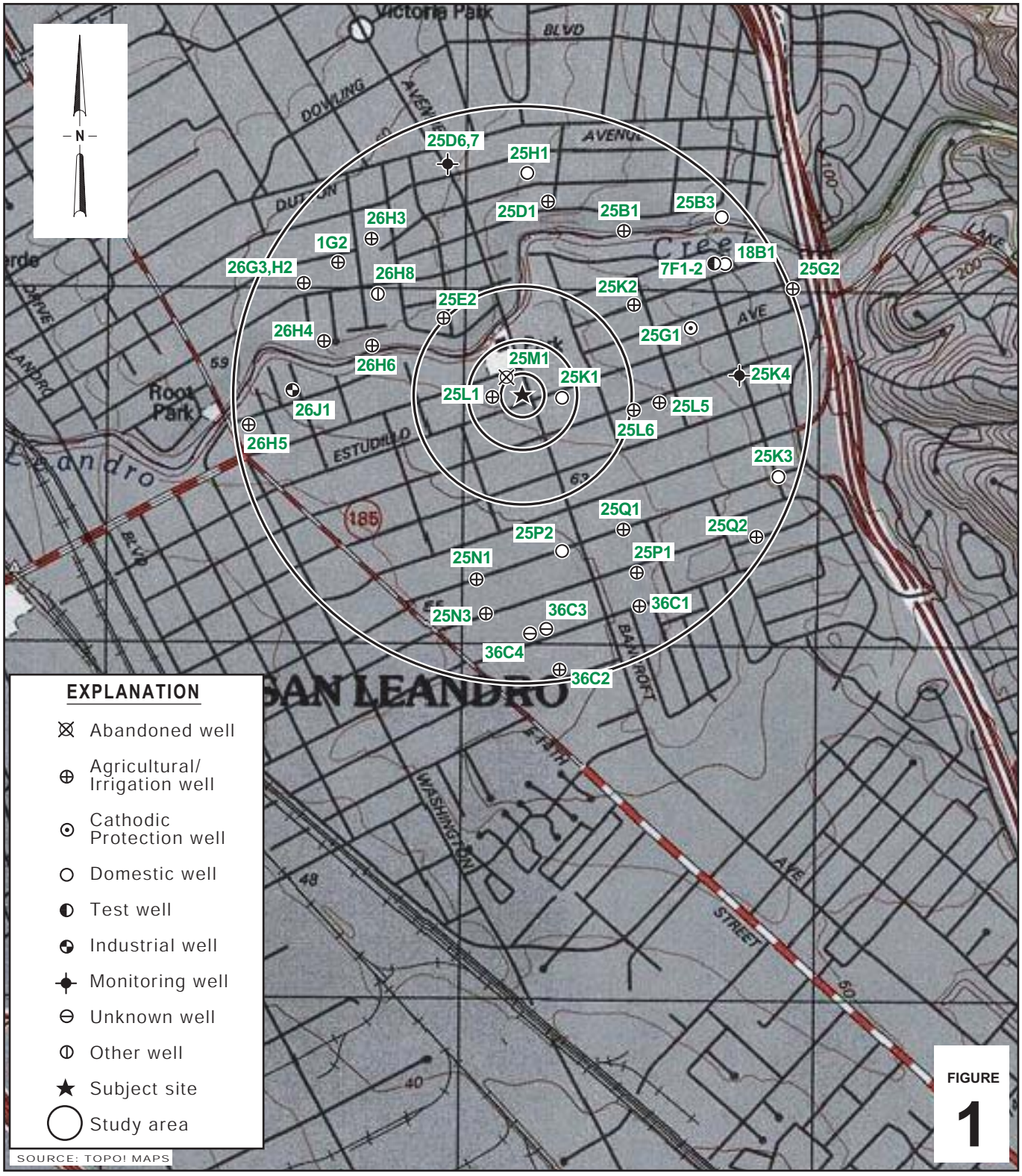

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Shell-branded Service Station

1285 Bancroft Avenue
San Leandro, California

Vicinity Map

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01/05/07

CALLAN AVENUE

Nearest Sensitive Receptors
Relative to Site

Irrigation Well
(confirmed abandoned)
(25M1, 150')

Domestic Irrigation Well,
(25L1, 200')

Domestic Well,
confirmed not in use
(25K1, 150')

Domestic Well,
confirmed not in use
(25P2, 1,425')

apts.
595 Callan

grass
courtyard

apts.
599 Callan

driveway

parking lot
609 Callan

apts.
597 Callan

parking

SB-9

parking

1247 Bancroft

lawn SB-12 lawn

planter

apts.
566 Estudillo

IW-1
30.27
ND
ND

SB-5

MW-12
30.11
ND
ND

B-1

MW-7
30.27
ND
ND

MW-4
30.34
ND
37.2

B-6

SB-6

SB-10

canopy

D-4-4.0

D-2B(2.0)
E-1(4.0)

D-2-4.5

D-2A(2.0)
dispensers

D-1(2.0)

D-3(2.0)

D-3-4.5

D-1-4.0

Shell Station
1285 Bancroft

MW-6
30.42
175
1,020

B-5

MW-5
30.41
275
206

MW-3
30.39
1.22
34.8

BH-E

apts.
560 Estudillo

B-2

SB-4

grass
courtyard

WO-1-11

Former
W/O
UST

SB-8

USTs

MW-2
30.50
41.6
2.68

SB-3

0.002

B-4

L-1(2.0)
E-2(3.5)

D-4(2.0)

Former
dispenser island
(removed 1995)

BH-D

SB-2

driveway

MW-1
30.39
ND
0.800

SB-7

MW-9
30.57
85.5
510

SB-11

B-3

30.50

MW-11
30.04
ND
ND

SB-1

30.10

MW-10
30.16
ND
6.72

30.30

MW-8
30.29
ND
12.6

BANCROFT AVENUE

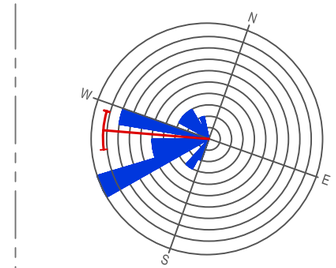
ESTUDILLO AVENUE

0 20 40 80
Scale (ft)

K:\SAN LEANDRO 1285 BANCROFT\FIGURES\4QM06.DWG

EXPLANATION

WO-1-11	Soil sample location (7/19/06)
MW-1	Monitoring well location
IW-1 (25L1)	Irrigation well location
D-1-4.0	Dispenser soil sample location (1/31/05)
SB-9	Soil boring location (2/04)
SB-1	Soil boring location (8/03)
SB-5	Attempted soil boring location (8/03)
B-1	Soil vapor survey location (6/00)
E-1	Confirmation soil sample location (WA, 10/9/95)
D-1	Soil sample location (WA, 10/4/95)
BH-D	Soil boring location (WA, 1994)
	Product dispenser number
ND	Below laboratory detection limits
xx.xx	Groundwater elevation contour, in feet above mean sea level (msl)
x.xx	Groundwater flow direction and gradient
Well / ELEV / Benzene / MTBE	Well designation; Groundwater elevation, in feet above msl; Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8260.



Groundwater Flow Direction
(4Q93 through 4Q06)

FIGURE
2

Groundwater Contour and Chemical Concentration Map

October 19, 2006

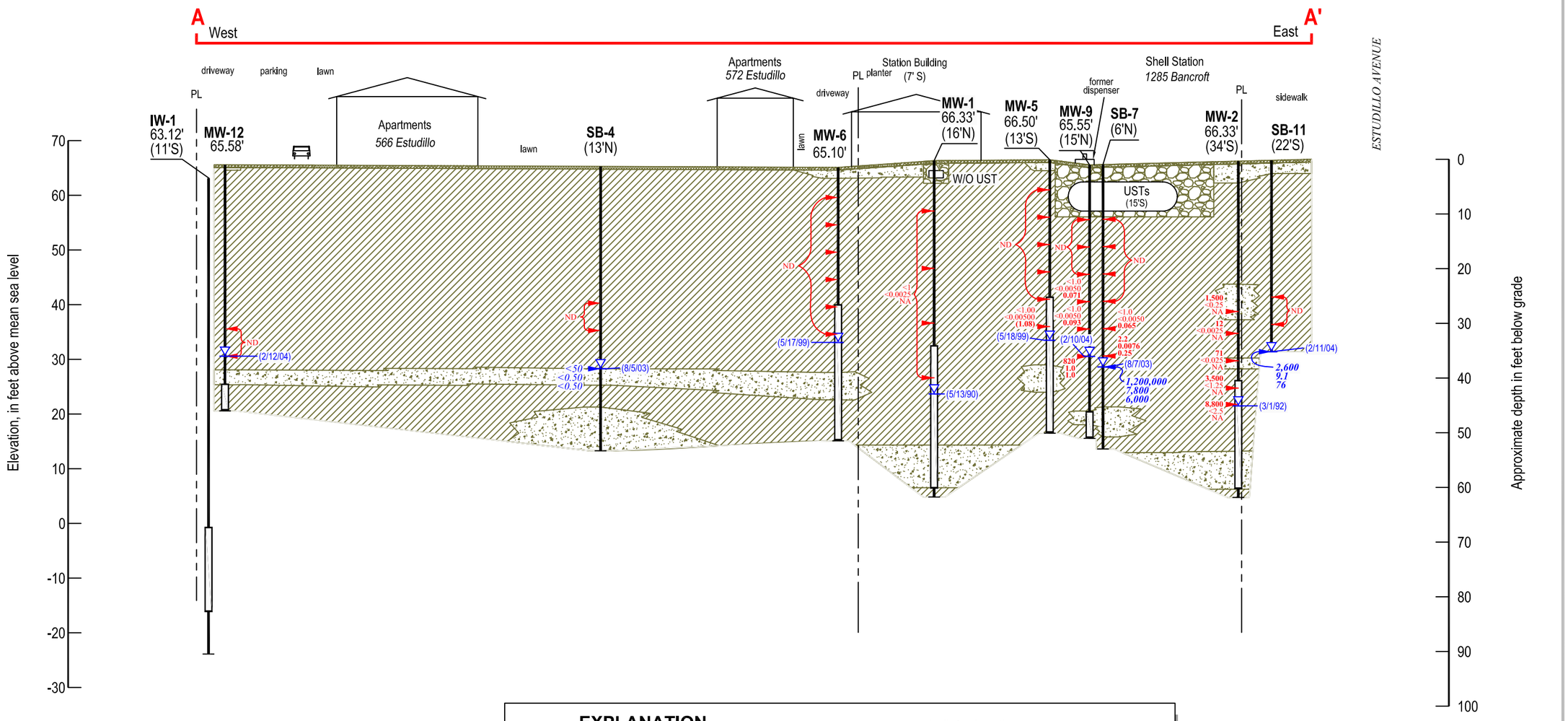
CAMBRIA

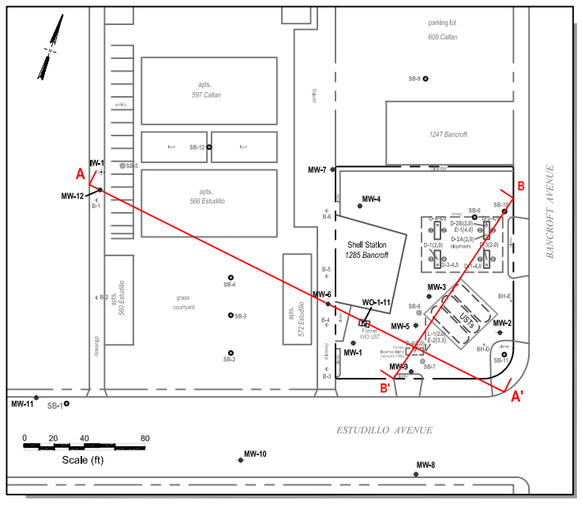
Shell-branded Service Station

1285 Bancroft Avenue
San Leandro, California

01/08/07

Geologic Cross Section A-A'
Investigation Data





EXPLANATION

= Fine-Grained Soils

= Coarse-Grained Soils

= Fill (Tank Pit)

Approximate Soil Sample Location

Interval of Discrete Soil Sample Results (Grouped for Clarity)

NA — Not analyzed

ND — TPHg, benzene, and MTBE all not detected

TPHg / Benzene / MTBE — Concentrations in Soil, in mg/kg; (MTBE analyzed by EPA Method 8020 in parentheses, all others by EPA Method 8260 or NA)

Well ID — Well Designation
Elev. — TOC Elevation, in feet above msl
(offset) — Offset distance and direction from cross-section line

Groundwater Monitoring Well or Soil Boring

Well Screen Interval

Bottom of boring

TPHg / Benzene / MTBE — Concentrations in Groundwater, in µg/L

(6/26/00) — Depth and Date of First Encountered Groundwater

Grab Groundwater Sample Depth

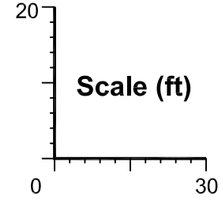


FIGURE
3A

Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, California

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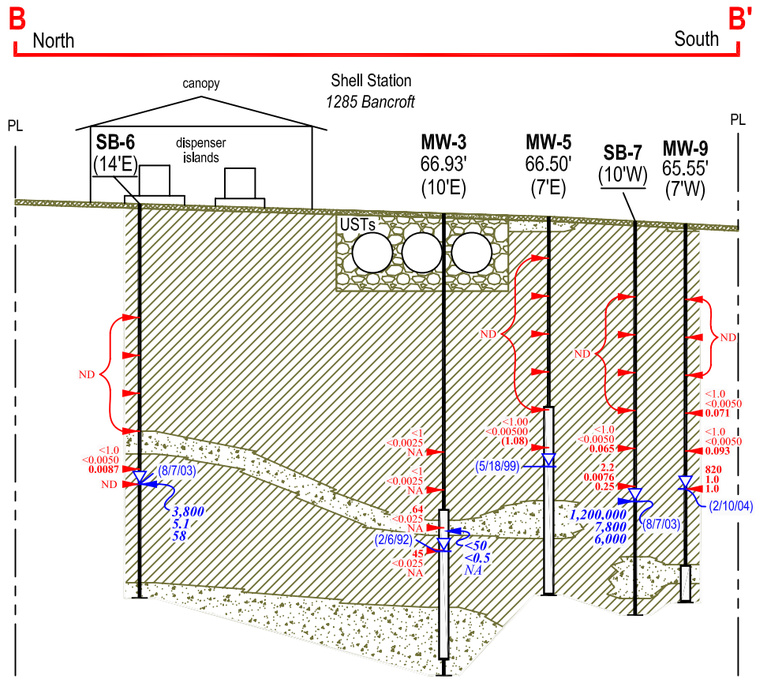
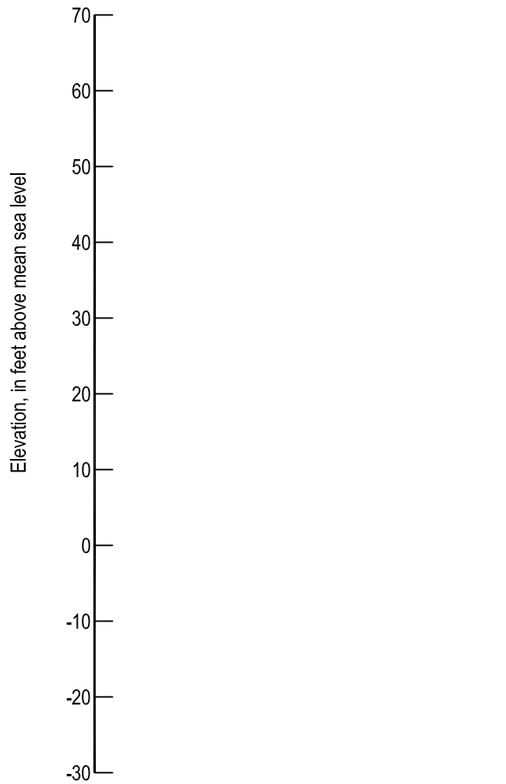
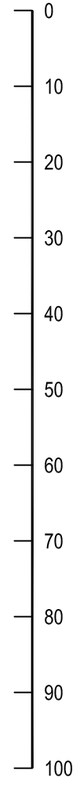
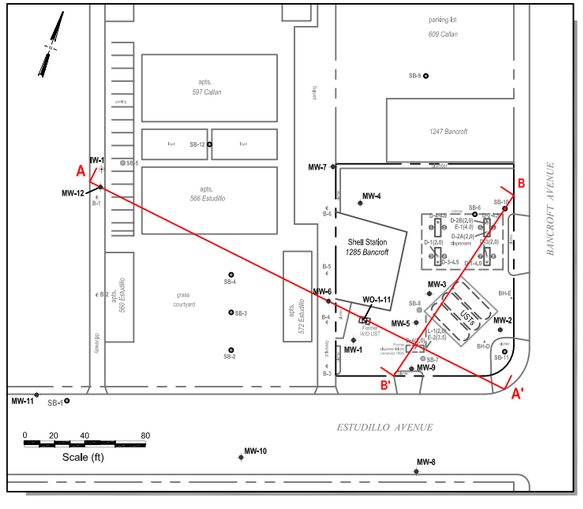
01/08/07

Geologic Cross Section B-B'
Investigation Data









EXPLANATION

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Interval of Discrete Soil Sample Results (Grouped for Clarity)

NA — Not analyzed

ND — TPHg, benzene, and MTBE all not detected

TPHg / Benzene / MTBE — Concentrations in Soil, in mg/kg; (MTBE analyzed by EPA Method 8020 in parentheses, all others by EPA Method 8260 or NA)

Well ID — Well Designation
Elev. — TOC Elevation, in feet above msl
(offset) — Offset distance and direction from cross-section line

Groundwater Monitoring Well or Soil Boring

Well Screen Interval

Bottom of boring

TPHg / Benzene / MTBE — Concentrations in Groundwater, in µg/L

(6/26/00) — Depth and Date of First Encountered Groundwater

Grab Groundwater Sample Depth

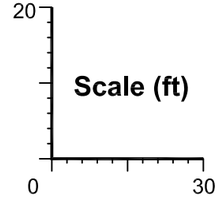


FIGURE
3B

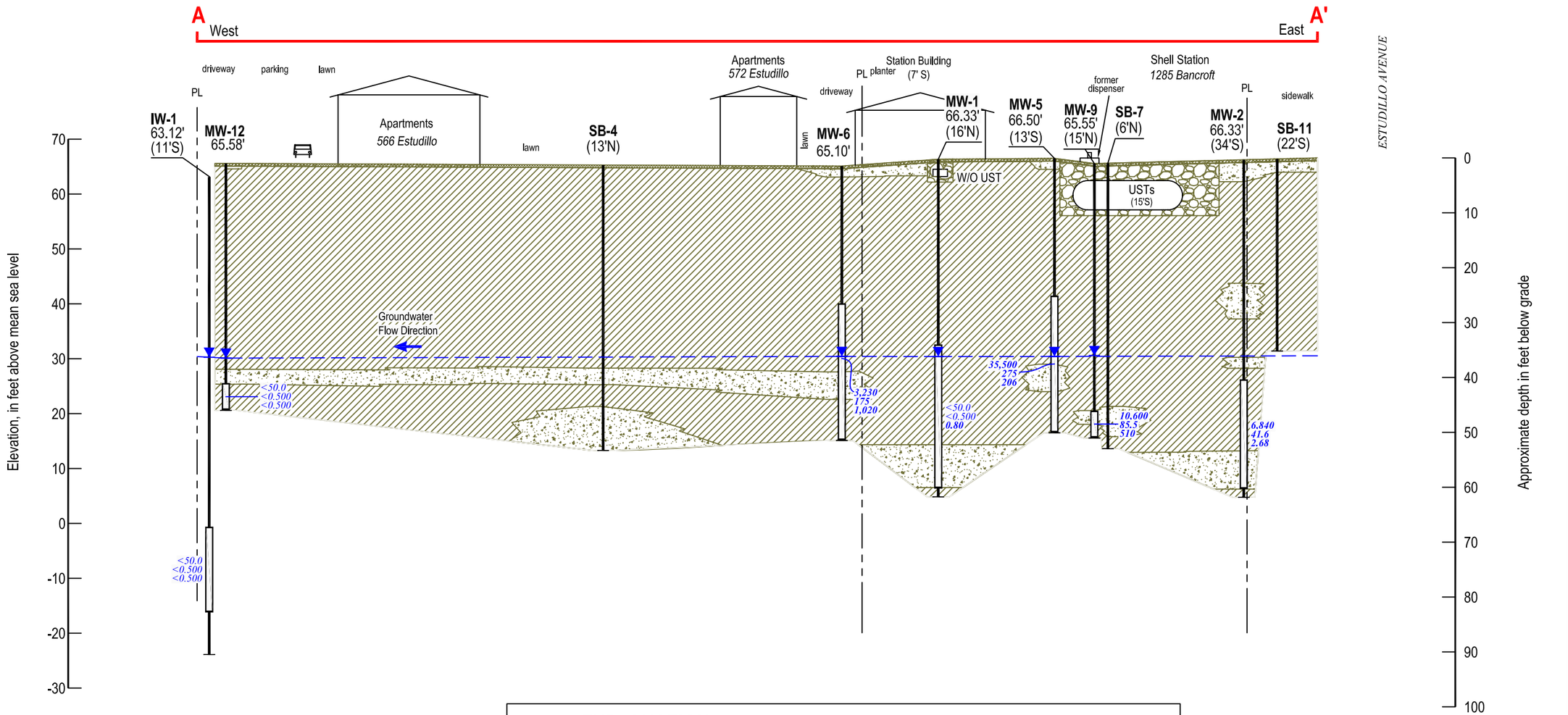
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, California

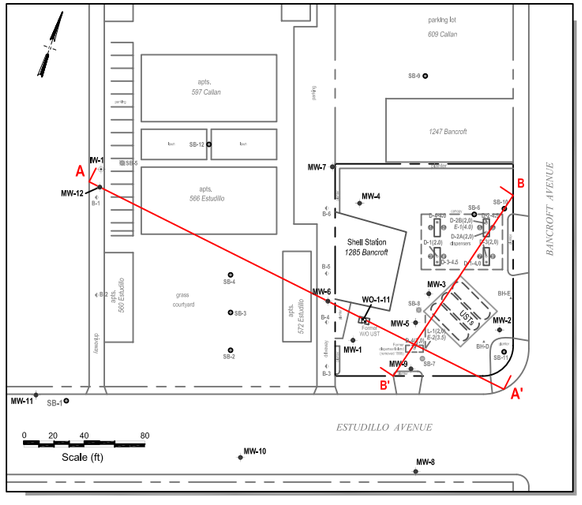
CAMBRIA

K:\SAN LEANDRO 1285 BANCROFT\FIGURES\X-SECT B-B'.DWG

02/07/07

Geologic Cross Section A-A'
October 2006 Montioring Data





EXPLANATION

= Fine-Grained Soils

= Coarse-Grained Soils

= Fill (Tank Pit)

Well ID — Well Designation
Elev. — TOC Elevation, in feet above msl
(offset) — Offset distance and direction from cross-section line

Groundwater Monitoring Well or Soil Boring

Well Screen Interval

Bottom of boring

TPHg
Benzene
MTBE
Concentrations in Groundwater, in µg/L (10/19/06)

Depth of Groundwater (10/19/06)

Inferred Groundwater Depth

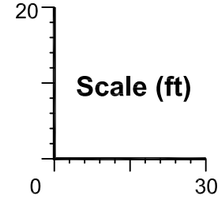


FIGURE
4A

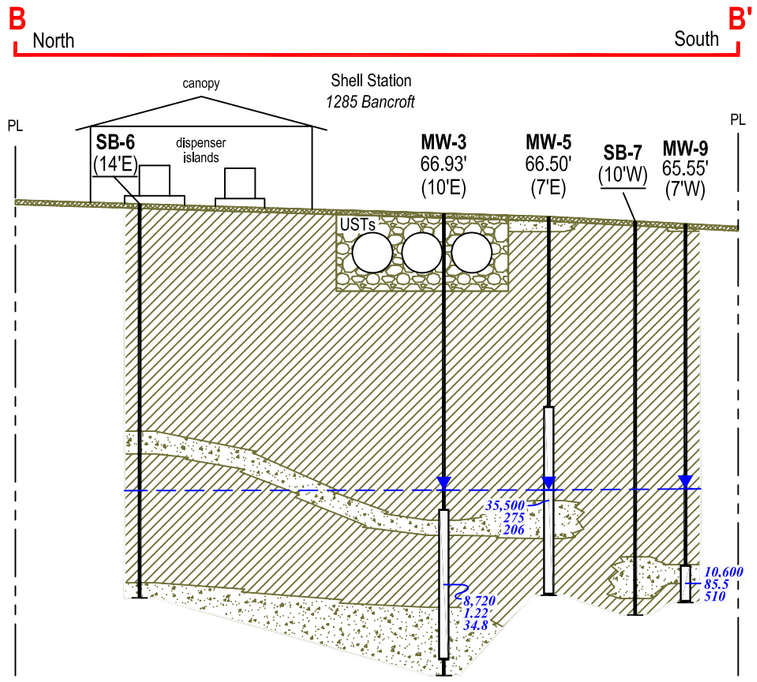
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, California

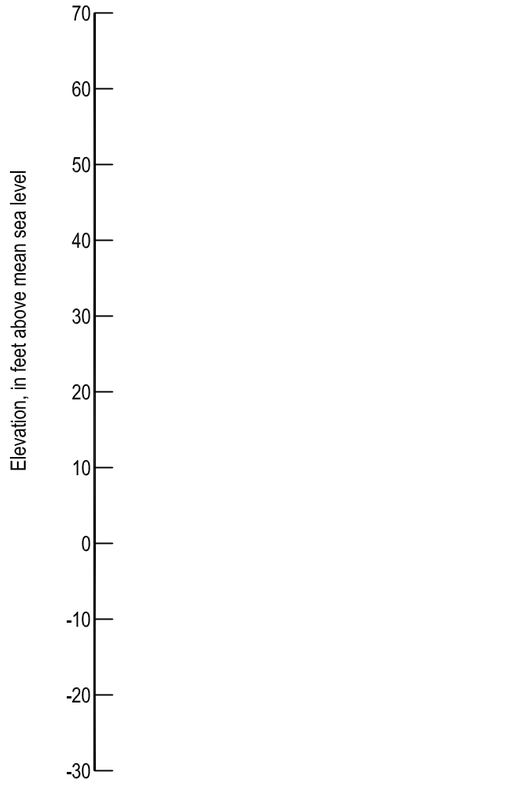
CAMBRIA

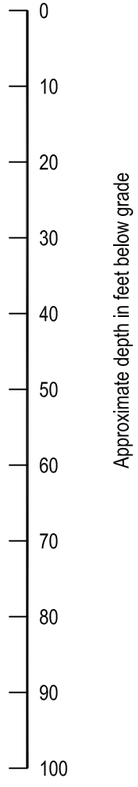
K:\SAN LEANDRO 1285 BANCROFT\FIGURES\X-SECT A-A'.DWG

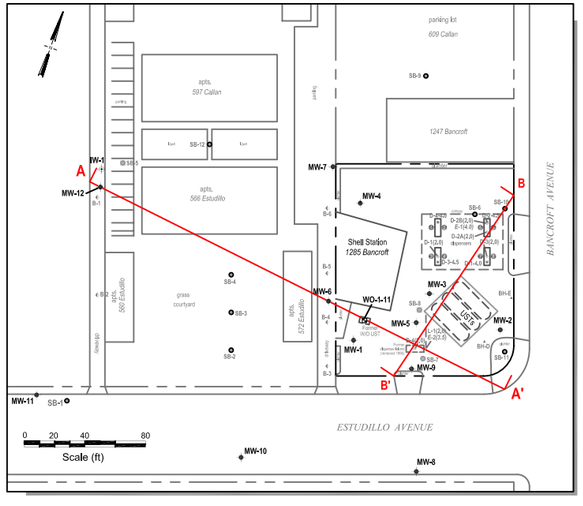
02/02/07

Geologic Cross Section B-B'
October 2006 Monitoring Data









EXPLANATION

= Fine-Grained Soils

= Coarse-Grained Soils

= Fill (Tank Pit)

Well ID — Well Designation
Elev. — TOC Elevation, in feet above msl
(offset) — Offset distance and direction from cross-section line

Groundwater Monitoring Well or Soil Boring

Well Screen Interval

Bottom of boring

TPHg
Benzene
MTBE
Concentrations in Groundwater, in µg/L (10/19/06)

Depth of Groundwater (10/19/06)

Inferred Groundwater Depth

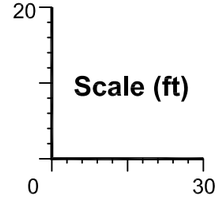


FIGURE
4B

Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, California

CAMBRIA

K:\SAN LEANDRO 1285 BANCROFT\FIGURES\X-SECT B-B'.DWG

01/05/07

CALLAN AVENUE

Nearest Sensitive Receptors
Relative to Site

Irrigation Well
(confirmed abandoned)
(25M1, 150')

Domestic Irrigation Well,
(25L1, 200')

Domestic Well,
confirmed not in use
(25K1, 150')

Domestic Well,
confirmed not in use
(25P2, 1,425')

apts.
595 Callan

grass
courtyard

apts.
599 Callan

driveway

parking lot
609 Callan

apts.
597 Callan

parking

SB-9

parking

1247 Bancroft

lawn SB-12 lawn

planter

25L1
3.22
ND
ND

SB-5

MW-7
7.46
ND
ND

MW-12
4.75
ND
ND

B-1

MW-4
1.64
ND
ND

apts.
566 Estudillo

B-6

SB-10

SB-6

canopy

D-4-4.0

D-2B(2.0)
E-1(4.0)

D-2-4.5

D-2A(2.0)
dispensers

D-1(2.0)

D-3(2.0)

D-3-4.5

D-1-4.0

Shell Station
1285 Bancroft

apts.
560 Estudillo

SB-4

B-5

MW-5
ND
ND
ND

MW-3
3.78
ND
ND

BH-E

MW-2
3.14
ND
ND

B-2

grass
courtyard

SB-3

apts.
572 Estudillo

WO-1-11

Former
W/O
UST

SB-8

USTs

L-1(2.0)
E-2(3.5)

B-4

MW-6
ND
ND
ND

driveway

D-4(2.0)

Former
dispenser island
(removed 1995)

BH-D

SB-2

MW-1
1.82
ND
ND

SB-7

SB-11

B-3

MW-9
1.64
0.500
ND

MW-11
2.13
ND
3.49

SB-1

MW-10
ND
ND
ND

MW-8
6.14
ND
ND

BANCROFT AVENUE

ESTUDILLO AVENUE

0 20 40 80
Scale (ft)

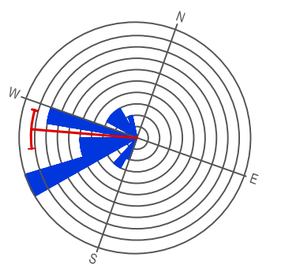
K:\SAN LEANDRO 1285 BANCROFT\FIGURES\Chlor Hyd Chem Map.DWG

EXPLANATION

WO-1-11	Soil sample location (7/19/06)
MW-1	Monitoring well location
IW-1 (25L1)	Irrigation well location
D-1-4.0	Dispenser soil sample location (1/31/05)
SB-9	Soil boring location (2/04)
SB-1	Soil boring location (8/03)
SB-5	Attempted soil boring location (8/03)
B-1	Soil vapor survey location (6/00)
E-1	Confirmation soil sample location (WA, 10/9/95)
D-1	Soil sample location (WA, 10/4/95)
BH-D	Soil boring location (WA, 1994)
	Product dispenser number
ND	Below laboratory detection limits

WELL
PCE
TCE
chloroform

- WELL: Well designation
- PCE: Tetrachloroethene concentrations in ug/L
- TCE: Trichloroethene concentrations in ug/L
- chloroform: Chloroform concentrations in ug/L



Groundwater Flow Direction
(4Q93 through 4Q06)

Chlorinated Hydrocarbon Chemical Concentration Map

October 19, 2006

CAMBRIA

Shell-branded Service Station

1285 Bancroft Avenue
San Leandro, California

FIGURE
5

02/06/07

Proposed Boring Location Map

CALLAN AVENUE

Nearest Sensitive Receptors
Relative to Site

Irrigation Well
(confirmed abandoned)
(25M1, 150')

Domestic Irrigation Well,
(25L1, 245')

Domestic Well,
confirmed not in use
(25K1, 150')

Domestic Well,
confirmed not in use
(25P2, 1,425')

apts.
595 Callan

grass
courtyard

apts.
599 Callan

driveway

parking lot
609 Callan

apts.
597 Callan

parking

SB-9

parking

1247 Bancroft

lawn SB-12 lawn

IW-1

SB-5

MW-7

planter

MW-12

B-1

apts.
566 Estudillo

MW-4

B-6

SB-6

SB-10

canopy

D-4-4.0

D-2-4.5

D-2B(2.0)
E-1(4.0)

D-2A(2.0)
dispensers

D-3(2.0)

D-1(2.0)

D-3-4.5

D-1-4.0

Shell Station
1285 Bancroft

B-5

SB-4

SB-16

MW-3

MW-6

SB-15

BH-E

CPT-2

B-2

CPT-4

apts.
560 Estudillo

grass
courtyard

SB-3

apts.
572 Estudillo

WO-1-11

SB-8

USTs

SB-13

MW-2

B-4

CPT-3

Former
W/O UST

MW-5

L-1(2.9)
E-2(3.5)

BH-D

MW-1

Former
dispenser island
(removed 1995)

D-4(2.0)

SB-14

SB-11

driveway

SB-7

B-3

MW-9

planter

SB-2

MW-11

SB-1

MW-10

MW-8

0 20 40 80

Scale (ft)

K:\SAN LEANDRO 1285 BANCROFT\FIGURES\Prop Bor Loc.DWG

BANCROFT AVENUE

EXPLANATION

SB-13	⊙	Proposed soil boring
CPT-1	●	Proposed CPT boring
MW-1	⊕	Monitoring well location
IW-1 (25L1)	⊕	Irrigation well location
WO-1-11	▪	Soil sample location (7/19/06)
D-1-4.0	▪	Dispenser soil sample location (1/31/05)
SB-9	◉	Soil boring location (2/04)
SB-1	◉	Soil boring location (8/03)
SB-5	◉	Attempted soil boring location (8/03)
B-1	◆	Soil vapor survey location (6/00)
E-1	○	Confirmation soil sample location (WA, 10/9/95)
D-1	○	Soil sample location (WA, 10/4/95)
BH-D	▲	Soil boring location (WA, 1994)
❶		Product dispenser number

CPT-1

N W E S

Groundwater Flow Direction
(4Q93 through 2Q06)

ESTUDILLO AVENUE

FIGURE

6

Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, California

CAMBRIA

Table 1. Boring/Well Data, Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California

Well/ Boring ID	Boring Type	Completion Date	TOC Elev. (ft msl)	Total Depth (fbg)	Soil Sample Interval (ft)	GW Depth First (fbg)	GW Depth Static (fbg)	Screen Diam. (In)	Screen Depth Top	Screen Depth Bottom
MW-1	Well (HSA)	6-Mar-90	66.90	60.0		43.0	42.65	4	38.0	60.0
MW-2	Well (HSA)	6-Feb-92	66.91	60.0		44.75	41.57	4	40.0	60.0
MW-3	Well (HSA)	7-Feb-92	62.52	59.0		44.75	42.0	4	39.0	59.0
MW-4	Well (HSA)	16-Feb-94	68.08	55.0	5 ft	42.0	41.78	4	35.0	55.0
MW-5	Well (HSA)	18-May-99	66.50	50.0	5 ft	33.0	33.48	4	25.0	50.0
MW-6	Well (HSA)	17-May-99	64.98	50.0	5 ft	32.0	32.13	2	25.0	50.0
MW-7	Well (HSA)	17-May-99	65.83	50.0	5 ft	35.6	33.03	2	25.0	50.0
MW-8	Well (HSA)	19-May-99	65.07	50.0	5 ft	36.0	32.19	2	25.0	50.0
MW-9	Well (HSA)	10-Feb-04	65.55	50.0		35.0	34.05	4	45.0	50.0
MW-10	Well (HSA)	11-Feb-04	64.36	40.0		30.0	32.74	2	30.0	40.0
MW-11	Well (HSA)	10-Feb-04	63.54	45.0		35.0	32.05	2	40.0	45.0
MW-12	Well (HSA)	12-Feb-04	65.58	45.0		35.0	33.97	2	40.0	45.0
B-1	Hydraulic Push	26-Jun-00	NA	36.0		32.10	NA	NA	NA	NA
B-2	Hydraulic Push	26-Jun-00	NA	36.0		33.0	NA	NA	NA	NA
B-3	Hydraulic Push	27-Jun-00	NA	35.0		34.9	NA	NA	NA	NA
B-4	Hydraulic Push	27-Jun-00	NA	36.0		35.5	NA	NA	NA	NA
B-5	Hydraulic Push	27-Jun-00	NA	39.0		NA	NA	NA	NA	NA
B-6	Hydraulic Push	27-Jun-00	NA	36.0		NA	NA	NA	NA	NA
SB-1	Hydraulic Push	4-Aug-03	NA	48.0		37.70	NA	NA	NA	NA
SB-2	Hydraulic Push	5-Aug-03	NA	52.0		37.0	NA	NA	NA	NA
SB-3	Hydraulic Push	5-Aug-03	NA	52.0		37.0	NA	NA	NA	NA
SB-4	Hydraulic Push	5-Aug-03	NA	52.0		37.0	NA	NA	NA	NA
SB-6	Hydraulic Push	7-Aug-03	NA	52.0		37.0	NA	NA	NA	NA

Table 1. Boring/Well Data, Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California

Well/ Boring ID	Boring Type	Completion Date	TOC Elev. (ft msl)	Total Depth (fbg)	Soil Sample Interval (ft)	GW Depth First (fbg)	GW Depth Static (fbg)	Screen Diam. (In)	Screen Depth Top	Screen Depth Bottom
SB-7	Hydraulic Push	7-Aug-03	NA	52.0		37.0	NA	NA	NA	NA
SB-9	Hydraulic Push	12-Feb-04	NA	35.0		35.0	NA	NA	NA	NA
SB-10	Hydraulic Push	10-Feb-04	NA	35.0		33.0	NA	NA	NA	NA
SB-11	Hydraulic Push	11-Feb-04	NA	35.0		35.0	NA	NA	NA	NA
SB-12	Hydraulic Push	13-Feb-04	NA	32.0		NA	NA	NA	NA	NA

Abbreviations and Notes:

HSA = Hollow Stem Auger

Elev. = Elevation

TOC = Top of casing elevation relative to mean sea level

fbg = feet below grade

GW = Groundwater

NA = Not available or not analyzed

Table 2. Additional VOCs in Groundwater, Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California

Sample ID	Date	sec-Butylbenzene (µg/L)	n-Butylbenzene (µg/L)	Chloroform (µg/L)	cis-1,2-Dichloroethene (µg/L)	Isopropylbenzene (µg/L)	PCE (µg/L)	TCE (µg/L)	1,3,5-Trimethylbenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	Naphthalene (µg/L)	p-Isopropyltoluene (µg/L)	n-Propylbenzene (µg/L)
MW-1	19-Oct-06	ND	ND	ND	ND	ND	1.82	ND	ND	ND	ND	ND	ND
MW-2	19-Oct-06	4.05	3.62	ND	2.66	29.9	3.14	ND	19.0	126	107	ND	57.0
MW-3	19-Oct-06	3.65	12.6	ND	0.750	20.7	3.78	ND	107	365 [a]	56.7	5.51	49.0
MW-4	19-Oct-06	ND	ND	ND	ND	ND	1.64	ND	ND	1.26	ND	ND	ND
MW-5	19-Oct-06	14.4	59.5	ND	ND	107	ND	ND	495 [a]	873 [a]	995 [b]	30.8	341
MW-6	19-Oct-06	8.79	25.9	ND	ND	53.7	ND	ND	43.5	96.8	222 [a]	ND	114
MW-7	19-Oct-06	ND	ND	ND	ND	ND	7.46	ND	ND	1.02	ND	ND	ND
MW-8	19-Oct-06	ND	ND	ND	ND	ND	6.14	ND	ND	0.810	ND	ND	ND
MW-9	19-Oct-06	6.92	11.7	ND	ND	31.0	1.64	0.500	44.2	248 [a]	208 [b]	2.28	68.6
MW-10	19-Oct-06	ND	ND	ND	ND	ND	ND	ND	ND	0.670	ND	ND	ND
MW-11	19-Oct-06	ND	ND	3.49	ND	ND	2.13	ND	ND	0.530	ND	ND	ND
MW-12	19-Oct-06	ND	ND	ND	ND	ND	4.75	ND	ND	ND	ND	ND	ND
MW-13	19-Oct-06	ND	ND	ND	ND	ND	3.22	ND	ND	ND	ND	ND	ND

Table 2. Additional VOCs in Groundwater, Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California

Abbreviations and Notes:

BTEX and 7 fuel oxygenates are reported in the BTS Well Concentration Data Table. All other VOCs were below method detection limits. Refer to laboratory report for more details.

µg/L = Micrograms per liter

VOCs analyzed by EPA Method 8260B

ND = Not detected at laboratory reporting limit

PCE = tetrachloroethene

TCE = trichloroethene

a = Concentration exceeds the calibration range and therefore result is semi-quantitative

b = Analyte was detected in the associated Method Blank.

ATTACHMENT A

Site Background and Project History

ATTACHMENT A

Site Background and Project History
Shell-branded Service Station
1285 Bancroft, San Leandro, CA

Site Location: The operating Shell-branded service station is located at the northwest corner of Bancroft and Estudillo Avenues in San Leandro, California. There are three underground storage tanks (USTs) on site, two dispenser islands, and one station building with three automobile service bays. This text describes investigative and remedial activities performed at this site since 1986.

November 1986 Waste-Oil Tank Removal: In November 1986, Petroleum Engineering of Santa Rosa, California removed a 550-gallon waste-oil tank and installed a new 550-gallon fiberglass tank in the former tank pit. Immediately following the tank removal, Blaine Tech Services (Blaine) of San Jose, California collected soil samples beneath the former tank location at 8.75 and 9 fbg. The soil samples contained maximum concentrations of 83 parts per million (ppm) petroleum oil and grease and 583 ppm total oil and grease (TOG). After additional excavation, Blaine collected another soil sample at 9.5 fbg, which contained 89.3 ppm TOG. No groundwater was encountered in the tank pit. No report documenting these activities could be located.

March 1990 Well Installation: In March 1990, Weiss Associates (Weiss) of Emeryville, California advanced a soil boring (BH-A) and converted it to groundwater monitoring well MW-1 adjacent to the waste-oil tank. No petroleum constituents were detected in soil samples analyzed from boring BH-A. Tetrachloroethene (PCE) was detected at 35 parts per billion (ppb). The maximum total petroleum hydrocarbons as gasoline (TPHg) concentration in groundwater from well MW-1 was 510 ppb. Weiss' July 31, 1990 *Second Quarter 2005* letter report documents these activities.

February 1992 Subsurface Investigation: In February 1992, Weiss advanced two soil borings (BH-B and BH-C) upgradient and downgradient of the existing USTs and converted them into monitoring wells MW-2 and MW-3. A maximum TPHg concentration of 8,800 ppm was detected in boring BH-B, which was converted into monitoring well MW-2. No benzene was detected in this investigation. Weiss' April 27, 1992 *Subsurface Investigation* letter report documents these activities.

1992 Well Survey: Weiss included a ½-mile radius well survey with the report of the February 1992 subsurface investigation. A total of 21 wells were identified within ½ mile of the site. One domestic supply well was identified approximately ½ mile northeast (crossgradient) of the site. One domestic or irrigation supply well was also identified within 500 feet west (cross- and downgradient) and another within 500 feet east (cross- and upgradient) of the site. Weiss' April 27, 1992 *Subsurface Investigation* letter report documents these activities.

February 1994 Subsurface Investigation: In February 1994, Weiss advanced three soil borings (BH-D, BH-E, and BH-F) upgradient and downgradient of the existing USTs. Boring BH-F was converted into monitoring well MW-4. No TPHg was detected in this investigation. A maximum benzene concentration of 0.015 ppm was detected in boring BH-E No report documenting these activities or logs of borings BH-D and BH-E could be located.

October 1995 Dispenser Replacement Sampling: In October 1995, Weiss collected soil samples from beneath the former dispensers. A maximum TPHg concentration of 130 ppm was detected in soil sample D-2A, located 2 fbg beneath the northern dispenser-island. A maximum benzene concentration of 0.31 ppm was detected in soil sample L-1, located 2 fbg beneath the product piping lines on the south end of the site. Weiss' March 5, 1996 *Replacement Sampling Report* documents these activities.

September 1998 and July 1999 through September 1999 Mobile Groundwater Extraction: Mobile groundwater extraction (GWE) was performed at the site on September 2, 1998, and weekly GWE events were performed from July 30, 1999 through September 9, 1999, using wells MW-1, MW-3, and MW-5. Approximately 17.9 pounds of liquid-phase TPHg and 0.77 pounds of methyl tertiary-butyl ether (MTBE) were removed during these activities.

May 1999 Well Installation: In May 1999, Cambria advanced four borings and converted them into groundwater monitoring wells MW-5, MW-6, MW-7, and MW-8. Soil samples collected from boring MW-5 contained maximum concentrations of 10.5 ppm TPHg at 40.5 fbg, 0.0475 ppm benzene at 35.5 fbg, and 2.25 ppm MTBE at 35.5 fbg. Cambria's August 29, 1999 *Well Installation Report* documents these activities.

June 2000 Site Investigation and Risk Based Corrective Action (RBCA) Evaluation: In June 2000, Cambria collected *in-situ* vapor and physical soil property samples and prepared a RBCA analysis of the potential risk to off-site receptors posed by hydrocarbons originating from the site. Six soil borings (B-1 through B-6) were drilled, and soil, soil vapor, and groundwater samples were collected. Soil sample were collected for physical parameter analysis including organic carbon content, moisture content, bulk density, and porosity. The risk evaluation showed that the calculated excess cancer risk posed by the site was below the target risk level of 1×10^{-6} and that off-site conditions at the time did not pose a significant risk to off-site occupants directly adjacent to the site. Water was not detected in B-5 and B-6 and groundwater samples could not be collected from B-3 and B-4. Groundwater samples were collected from B-1 and B-2. No TPHg, benzene, or MTBE was detected in the collected groundwater samples. Cambria's June 27, 2001 *Investigation Report and Risk-Based Corrective Action Analysis* documents these findings.

November 2000 through January 2005 Mobile Dual-Phase Vapor Extraction (DVE): In November 2000, Cambria initiated monthly mobile DVE on wells MW-5 and MW-6 to facilitate hydrocarbon and oxygenate removal from groundwater and the vadose zones. Approximately 131.47 pounds of vapor-phase TPHg and 1.23 pounds of vapor-phase MTBE were removed

during these activities. Since underground storage tank (UST) enhanced-vapor-recovery upgrades occurred in January 2005 and because of the lack of marked effect on concentrations in MW-5 and MW-6, mobile DVE was put on hold following the January 17, 2005 event pending an overall evaluation of the site.

April 2002 Enhanced UST Testing: On April 2 and 3, 2002, Shell voluntarily conducted enhanced testing on the USTs at this site. Enhanced testing included a VacuTect Tank Test of tanks under vacuum conditions. When the VacuTect test indicated a problem with the plus tank, the product was immediately transferred out of tank for investigation, which included tank entry for visual inspections and further tank tests. No visible cracks were found, but additional layers of fiberglass were added to suspected problem areas. A passing VacuTect test was conducted. Cambria's October 15, 2002 *Subsurface Investigation Work Plan* indicated that the crack was detected in the secondary containment of the tank, but the tank was actually a single-wall vessel and, as previously mentioned, no crack was detected. A problem with the tank was only found during the VacuTect test, which does not necessarily indicate a leak condition.

August 2003 Soil and Water Investigation and Site Conceptual Model: From August 4 through August 7, 2003, Cambria supervised the advancement of six soil borings (SB-1 through SB-4 offsite and SB-6 and SB-7 onsite). The borings were advanced to a total depth of between 48 and 52.5 fbg to define vertical and lateral migration of the contaminate plume and to determine downgradient monitoring well locations. Soil sample results from the investigation indicated neither hydrocarbons nor MTBE impacts to unsaturated soil in the boring locations. However, the groundwater sample results indicated hydrocarbons and MTBE impacts to groundwater, primarily onsite. The site conceptual model was updated and identified one potential downgradient receptor, irrigation well 2S/3W-25L1 located at 566 Estudillo, which is discussed below. Cambria's November 3, 2003 *Soil and Water Investigation Report, Work Plan, and Site Conceptual Model* documents these activities.

October 2003 Sensitive Receptor Survey (SRS): In October 2003, Cambria completed a SRS at Shell's request. The SRS targeted the following as potential sensitive receptors: basements within 200 feet, surface water, and sensitive habitats within 500 feet, hospitals, residential care and childcare facilities within 1,000 feet, and water wells within ½ mile. No basements were observed within 200 feet, nor was any surface water or sensitive habitats observed within 500 feet. Hospitals, and educational, childcare and residential care facilities were identified at approximately 140, 345, 650, and 670 feet from the site. Bancroft Middle School (1250 Bancroft Avenue) is located approximately 140 feet from the site. The Shelter for Women and Children (1395 Bancroft Avenue) is located approximately 345 feet from the site. Bancroft Convalescent Hospital (1475 Bancroft Avenue) is located approximately 650 feet from the site. Jones Convalescent Hospital (524 Callan Avenue) is located approximately 670 feet from the site.

To update the 1992 well survey performed by Weiss and updated by Cambria in 1998 and 1999, Cambria researched Department of Water Resources (DWR) records in September 2003, and

located no additional well records for locations within ½ mile of the site. In addition to numerous wells listed as "irrigation" wells, a number of DWR records identified wells at residential addresses for which no use was listed. The 1992 WA well survey also reviewed Alameda County Public Works well database records, which also listed many of the wells identified in the DWR records search with unknown uses. In the Alameda County listing, several of the wells were listed as "domestic" type wells. Because "domestic" usage may include drinking-water uses, Cambria investigated all three identified downgradient wells within ½ mile with "domestic" usage noted in the Alameda County Public Works database report to clarify their actual use and current status.

The closest identified "domestic" water well (25L1) is an 88-foot deep well installed in 1952, approximately 150 feet southwest of the site. This well is the active irrigation well identified at the adjacent property, 560 Estudillo Avenue. Cambria confirmed that the well is used only for landscape irrigation by interviewing the property manager and by inspecting the well. The next nearest "domestic" well is located approximately 390 feet east of the site (25K1). Cambria interviewed the property owner's custodian, who verified the well's presence, but also verified that the well is not used. The next nearest "domestic" well is located approximately 1,425 feet south of the site (25P2). Cambria met the property owner who verified that the well had not been used since the early 1980's when the well pump failed.

February 2004 Investigations: Four monitoring wells (MW-9, MW-10, MW-11, and MW-12) and four borings (SB-9, SB-10, SB-11, and SB-12) were installed in February 2004 to define the lateral and vertical extent of MTBE in groundwater and to provide for ongoing groundwater monitoring downgradient of the site. MTBE, TPHg, and benzene, toluene, ethylbenzene, and xylenes (BTEX) were not detected in any soil samples collected during the current investigation with the exception of samples from well locations MW-9 and MW-10. TPHg and benzene were detected only in the soil sample from on-site well MW-9 from a depth of 35 fbg at concentrations of 820 ppm and 1.0 ppm, respectively. MTBE was detected in the MW-9 soil samples at depths of 25 fbg, 30 fbg, and 35 fbg at concentrations of 0.071 ppm, 0.093 ppm, and 1.0 ppm, respectively. MTBE was also detected at a concentration of 0.017 ppm in a soil sample from off-site well MW-10 at a depth of 39.5 fbg. Since groundwater was encountered at approximately 35 fbg during the current investigation, all the hydrocarbon and/or MTBE impacted samples were from saturated soils or from within the capillary fringe, so the results may be more indicative of chemical concentrations in groundwater.

TPHg was detected only in the on-site grab groundwater samples SB-10-W and SB-11-W at concentrations of 1,100 and 2,600 ppb, respectively. Benzene and MTBE were detected only in the on-site grab groundwater sample SB-11-W at concentrations of 9.1 and 76 ppb, respectively. No toluene, ethylbenzene, or xylenes were detected in any of the grab groundwater samples. No groundwater was encountered in SB-12.

Additionally, an inspection of the off-site irrigation well (25L2) located downgradient of the site at 566 Estudillo was to be conducted by video inspection to evaluate total depth and screen intervals. The inside of the casing was heavily coated with fine-grained material, making it impossible to determine the top of the screen interval. No screen perforations were visible at or above the 31-fbg level of the water. Occasional circular depressions, which could be screen perforations, were observed at approximately 64 fbg. Due to fine-grained debris in the bottom of the well casing, the maximum explorable depth of the well was 79 fbg. The results of this investigation are presented in Cambria's April 29, 2004 *Soil and Water Investigation, Monitoring Well Installation, and Irrigation Well Video Inspection Report.*

2005 Dispenser Upgrade Sampling: During January and February of 2005, Armer/Norman & Associates. Inc. of Pacheco, California upgraded the station's fuel system, including the UST sumps and fuel dispensers. Cambria collected four soil samples beneath the replaced dispensers at depths from 4 to 4.5 fbg. TPHg and BTEX concentrations were below the laboratory detection limits in all dispenser soil samples. MTBE was detected in one soil sample (D-3-4.5) at a concentration of 0.0088 ppm. No other analytes were detected in excess of their laboratory detection limit. The results of this investigation are presented in Cambria's March 23, 2005 *Dispenser Upgrade Sampling Report.*

- ***Groundwater Monitoring Program:*** There are six groundwater monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5, and MW-9) on site, six groundwater monitoring wells (MW-6, MW-7, MW-8, MW-10, MW-11, and MW-12) off site, and one monitored irrigation well off site. All 13 wells are sampled quarterly for TPHg, MTBE, and BTEX. During the fourth quarter 2006 sampling event;

- The depth to groundwater measured in the monitoring wells ranged from 33.5 to 37.18 feet below top of well casing. The depth to water in the irrigation well, IW-1, was measured at 32.85 feet below grade. The groundwater elevations ranged from 30.04 to 30.57 feet mean sea level.

- Groundwater flows to the southwest at a fairly flat hydraulic gradient of 0.002. This is consistent with previous events for this site;

- TPHg was reported in wells MW-2 through MW-6, and MW-9. The maximum concentration observed was 35,500 micrograms per liter (µg/l) in MW-5. TPHg was below the detection limit of 50 µg/l in wells MW-1, MW-7, MW-8, and MW-10 through MW-12.

- Benzene was reported in wells MW-2, MW-3, MW-5, MW-6, and MW-9. The maximum concentration observed was 275 µg/l in well MW-5. Benzene was below the detection limit of 0.500 µg/l in wells MW-1, MW-4, MW-7, MW-8, and MW-10 through MW-12.

- MTBE was reported in all wells except MW-7, MW-11, and MW-12. The maximum concentration observed was 1,020 µg/l in well MW-6.
- Other VOCs were reported in various wells, and are tabulated on Table 2. Most are consistent with gasoline fuel; however, some chlorinated hydrocarbons were reported.
    - Of the chlorinated hydrocarbons detected, tetrachloroethene (PCE) was reported in every well except MW-5, MW-6, and MW-10. The maximum concentration of PCE was 7.46 µg/l in well MW-7;
    - Trichloroethene (TCE) was reported in one monitoring well (MW-9) at 0.500µg/l; and
    - Chloroform was reported in one well (MW-11) at 3.49 µg/l.
- Irrigation well, IW-1, was below the laboratory method detection limits for all constituents with the exception of 1.14 µg/l total xylenes and 3.22 µg/l PCE.

ATTACHMENT B

4Q06 Groundwater Monitoring Data Table

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

November 22, 2006

Denis Brown
Shell Oil Products US
20945 South Wilmington Avenue
Carson, CA 90810

Fourth Quarter 2006 Groundwater Monitoring at
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, CA

Monitoring performed on October 19, 2006

Groundwater Monitoring Report **061019-DR-1**

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Mike Ninokata
Project Coordinator

MN/ks

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Ana Friel
Cambria Environmental Technology, Inc.
270 Perkins St.
Sonoma, CA 95476

WELL CONCENTRATIONS
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	03/13/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.29	42.65	23.64	NA
MW-1	06/12/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.29	43.14	23.15	NA
MW-1	09/13/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.29	44.71	21.58	NA
MW-1	12/18/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.29	45.23	21.06	NA
MW-1	03/07/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.29	43.32	22.97	NA
MW-1	06/07/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.29	42.18	24.11	NA
MW-1	09/17/1991	50 a	160 a	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.29	44.85	21.44	NA
MW-1	03/01/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.29	41.56	24.73	NA
MW-1	06/03/1992	<50	NA	0.8	<0.5	0.9	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.29	40.74	25.55	NA
MW-1	09/01/1992	<50	NA	<0.5	5.8	5.3	7.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.29	43.05	23.24	NA
MW-1	12/07/1992	68	NA	<0.5	0.8	<0.5	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.29	44.19	22.10	NA
MW-1	03/01/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.29	34.96	31.33	NA
MW-1 (D)	03/01/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.29	34.96	31.33	NA
MW-1	06/22/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.29	36.75	29.54	NA
MW-1	09/09/1993	200 a	NA	16	5.2	2	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.29	39.36	26.93	NA
MW-1	12/13/1993	89 a	NA	3.4	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.29	40.74	25.55	NA
MW-1	03/03/1994	65 a	NA	2.6	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.29	38.40	27.89	NA
MW-1	07/27/1994	180	NA	30	1.8	2.6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.90	40.49	26.41	NA
MW-1 (D)	07/27/1994	240	NA	25	2.2	2.2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.90	40.49	26.41	NA
MW-1	08/09/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.90	40.84	26.06	NA
MW-1	10/05/1994	<50	NA	<0.3	<0.3	<0.3	<0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.90	41.98	24.92	NA
MW-1	11/11/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.90	41.34	25.56	NA
MW-1	12/29/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.90	42.06	24.84	NA
MW-1	01/04/1995	<50	NA	2.4	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.90	39.90	27.00	NA
MW-1 (D)	01/04/1995	<50	NA	2.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.90	39.90	27.00	NA
MW-1	04/14/1995	<50	NA	<0.5	0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.90	31.02	35.88	NA
MW-1 (D)	04/14/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.90	31.02	35.88	NA
MW-1	07/12/1995	<50	NA	1.2	0.8	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.90	34.61	32.29	NA
MW-1	12/14/1995	380	NA	230	9	1.1	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.90	39.24	27.66	NA
MW-1	01/10/1996	60	NA	3.5	<0.5	<0.5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.90	38.34	28.56	NA
MW-1	04/25/1996	<50	NA	3.3	2.4	1.2	5.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.90	31.95	34.95	NA
MW-1	07/09/1996	810	NA	29	7.3	<5.0	11	1,800	NA	NA	NA	NA	NA	NA	NA	NA	66.90	34.45	32.45	NA

WELL CONCENTRATIONS
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	10/02/1996	<125	NA	3.1	<1.2	<1.2	<1.2	960	NA	NA	NA	NA	NA	NA	NA	NA	66.90	37.72	29.18	NA
MW-1	01/09/1997	<250	NA	<2.5	<2.5	<2.5	<2.5	510	NA	NA	NA	NA	NA	NA	NA	NA	66.90	32.25	34.65	NA
MW-1	04/09/1997	<50	NA	<0.5	<0.5	<0.5	<0.5	130	NA	NA	NA	NA	NA	NA	NA	NA	66.90	32.90	34.00	NA
MW-1	07/02/1997	<250	NA	60	7.6	4.2	18	1,300	NA	NA	NA	NA	NA	NA	NA	NA	66.90	36.65	30.25	NA
MW-1	10/24/1997	<500	NA	140	<5.0	12	40	2,600	NA	NA	NA	NA	NA	NA	NA	NA	66.90	39.75	27.15	4.5
MW-1	01/08/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	170	NA	NA	NA	NA	NA	NA	NA	NA	66.90	36.31	30.59	4.0
MW-1	04/14/1998 b	72	NA	0.82	4.9	1.8	13	2.7	NA	NA	NA	NA	NA	NA	NA	NA	66.90	26.37	40.53	2.2
MW-1	07/15/1998	<50	NA	2.5	1.5	<0.50	<0.50	12	NA	NA	NA	NA	NA	NA	NA	NA	66.90	31.23	35.67	2.4
MW-1	07/28/1998	NA	NA	NA	NA	NA	NA	193	190	<2.0	<2.0	<2.0	<100	<2.50	<2.50	<500	66.90	31.23	35.67	2.4
MW-1	10/13/1998	<50	NA	3.2	0.69	<0.50	1.1	29	NA	NA	NA	NA	NA	NA	NA	NA	66.90	35.69	31.21	1.3
MW-1	01/22/1999	567	NA	79.7	120	21.4	99.9	193	190	NA	NA	NA	NA	NA	NA	NA	66.90	35.32	31.58	1.2
MW-1	04/16/1999	<50	NA	0.69	1.1	1.2	<0.50	8.2	NA	NA	NA	NA	NA	NA	NA	NA	66.90	31.76	35.14	1.0
MW-1	07/22/1999	<50	NA	<0.500	<0.500	<0.500	<0.500	<5.00	2.17	NA	NA	NA	NA	NA	NA	NA	66.90	23.21	43.69	2.1/2.0
MW-1	12/08/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	66.90	33.27	33.63	2.2/2.1
MW-1	01/07/2000	<50.0	NA	0.631	0.577	<0.500	1.25	14.1	NA	NA	NA	NA	NA	NA	NA	NA	66.90	38.17	28.73	d
MW-1	04/05/2000	153	NA	12.4	21.2	6.65	28.3	50.1	NA	NA	NA	NA	NA	NA	NA	NA	66.90	30.45	36.45	2.0/2.3
MW-1	07/12/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	66.90	34.29	32.61	4.4/3.8
MW-1	10/19/2000	129	NA	7.76	19.6	7.84	33.3	31.3	NA	NA	NA	NA	NA	NA	NA	NA	66.90	36.87	30.03	3.9/4.7
MW-1	01/15/2001	201	NA	7.58	29.9	9.64	42.9	24.9	NA	NA	NA	NA	NA	NA	NA	NA	66.90	36.99	29.91	2.7/3.0
MW-1	04/30/2001	<50	NA	<0.50	<0.50	<0.50	0.54	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	66.90	34.62	32.28	3.1/2.4
MW-1	07/20/2001	180	NA	8.0	16	9.5	39	NA	140	NA	NA	NA	NA	NA	NA	NA	66.90	37.25	29.65	3.9/3.8
MW-1	10/24/2001	94	NA	7.0	0.90	3.4	8.4	NA	34	NA	NA	NA	NA	NA	NA	NA	66.90	38.82	28.08	3.6/3.9
MW-1	01/03/2002	<50	NA	<0.50	0.78	<0.50	1.5	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	66.90	34.97	31.93	3.1/3.3
MW-1	04/05/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	66.90	34.04	32.86	1.6/1.8
MW-1	07/11/2002	61	NA	2.2	2.6	3.9	14	NA	28	NA	NA	NA	NA	NA	NA	NA	66.90	36.15	30.75	0.6/3.8
MW-1	10/28/2002	270	NA	7.9	3.6	17	51	NA	72	NA	NA	NA	NA	NA	NA	NA	66.33	38.35	27.98	1.0/1.2
MW-1	01/07/2003	<50	NA	<0.50	<0.50	<0.50	0.53	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	66.33	34.13	32.20	3.8/3.9
MW-1	04/14/2003	<50	NA	0.51	0.52	1.0	2.9	NA	21	NA	NA	NA	NA	NA	NA	NA	66.33	35.40	30.93	3.4/3.5
MW-1	07/01/2003	<50	NA	<0.50	<0.50	1.1	2.5	NA	4.1	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	66.33	35.19	31.14	0.4/0.7
MW-1	10/08/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	66.33	38.63	27.70	2.9/2.9
MW-1	01/15/2004	72	NA	<0.50	0.75	1.4	5.2	NA	10	NA	NA	NA	NA	NA	NA	NA	66.33	36.13	30.20	4.1/4.0
MW-1	04/09/2004	98	NA	<0.50	<0.50	0.57	1.7	NA	1.6	NA	NA	NA	NA	NA	NA	NA	66.33	34.95	31.38	4.7/3.9
MW-1	07/13/2004	75	NA	0.52	<0.50	2.0	2.8	NA	11	<2.0	<2.0	<2.0	5.0	NA	NA	<50	66.33	37.68	28.65	0.77/0.81

WELL CONCENTRATIONS
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San Leandro, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	11/05/2004	180	NA	4.4	0.72	4.1	9.5	NA	67	NA	NA	NA	NA	NA	NA	NA	66.33	38.86	27.47	4.1/4.8
MW-1	01/10/2005	180	NA	0.50	<0.50	1.0	3.8	NA	15	NA	NA	NA	NA	NA	NA	NA	66.33	36.10	30.23	0.1/3.8
MW-1	04/11/2005	91 k	NA	<0.50	<0.50	<0.50	<1.0	NA	0.82	NA	NA	NA	NA	NA	NA	NA	66.33	31.71	34.62	3.85/2.37
MW-1	07/12/2005	56 k	NA	<0.50	<0.50	<0.50	<1.0	NA	0.52	<2.0	<2.0	<2.0	<5.0	NA	NA	<50	66.33	34.12	32.21	4.3/3.9
MW-1	10/21/2005	85	NA	0.91	<0.50	6.7	8.7	NA	16	NA	NA	NA	NA	NA	NA	NA	66.33	37.21	29.12	4.3/4.0
MW-1	01/09/2006	<50	NA	<0.50	<0.50	<0.50	1.2	NA	3.2	NA	NA	NA	NA	NA	NA	NA	66.33	33.53	32.80	3.6/3.8
MW-1	04/17/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	NA	66.33	28.44	37.89	3.61/3.43
MW-1	07/13/2006	<50.0	NA	<0.500	<0.500	<0.500	<1.50	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	NA	<50.0	66.33	32.35	33.98	3.41/3.23
MW-1	**10/19/2006**	**<50.0**	**NA**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**NA**	**0.800**	**<0.500**	**NA**	**NA**	**NA**	**<0.500**	**<0.500**	**NA**	**66.33**	**35.94**	**30.39**	**3.1/2.75**
MW-2	03/01/1992	910	<50	11	5.2	50	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	41.57	25.34	NA
MW-2	06/03/1992	1,400	NA	33	16	150	240	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	40.56	26.35	NA
MW-2	09/01/1992	230	NA	5.2	4.1	15	19	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	42.94	23.97	NA
MW-2 (D)	09/01/1992	320	NA	5.6	5	18	220	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	42.94	23.97	NA
MW-2	12/07/1992	240	NA	1.5	1.3	9.5	9.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	44.13	22.78	NA
MW-2 (D)	12/07/1992	<50	NA	1.7	1	13	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	44.13	22.78	NA
MW-2	03/01/1993	230	NA	260	310	27	66	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	34.82	32.09	NA
MW-2	06/22/1993	220	NA	18	3.4	3.6	5.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	36.64	30.27	NA
MW-2 (D)	06/22/1993	320	NA	29	4.8	4.2	6.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	36.64	30.27	NA
MW-2	09/09/1993	260	NA	18	4.6	16	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	39.24	27.67	NA
MW-2 (D)	09/09/1993	210	NA	16	3.9	14	9.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	39.24	27.67	NA
MW-2	12/13/1993	1,300 a	NA	82	34	73	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	40.64	26.27	NA
MW-2 (D)	12/13/1993	1,400 a	NA	110	45	72	19	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	40.64	26.27	NA
MW-2	03/03/1994	9,600	NA	1,200	600	390	710	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	38.98	27.93	NA
MW-2 (D)	03/03/1994	10,000	NA	930	500	330	590	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	38.98	27.93	NA
MW-2	07/27/1994	190	NA	<0.5	1	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	40.40	26.51	NA
MW-2	08/09/1994	1,500	NA	53.5	12.4	46.2	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	40.71	26.20	NA
MW-2	10/05/1994	<485	NA	<0.3	<0.3	<0.3	<0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	41.89	25.02	NA
MW-2	11/11/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	41.22	25.69	NA
MW-2	12/29/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	41.99	24.92	NA
MW-2	01/04/1995	1,300	NA	150	35	23	51	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	39.81	27.10	NA
MW-2	04/14/1995	5,000	NA	1,000	340	400	810	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	30.83	36.08	NA
MW-2	07/12/1995	4,500	NA	440	170	170	290	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	34.50	32.41	NA

WELL CONCENTRATIONS
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San Leandro, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2 (D)	07/12/1995	4,300	NA	430	160	160	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	34.50	32.41	NA
MW-2	12/14/1995	37,000	NA	1,800	7,600	1,000	6,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	39.22	27.69	NA
MW-2 (D)	12/14/1995	34,000	NA	1,800	6,600	1,000	6,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	39.22	27.69	NA
MW-2	01/10/1996	69,000	NA	1,000	3,200	510	3,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	38.22	28.69	NA
MW-2 (D)	01/10/1996	78,000	NA	1,100	3,500	560	3,600	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	38.22	28.69	NA
MW-2	04/25/1996	11,000	NA	820	880	210	1,400	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	31.78	35.13	NA
MW-2 (D)	04/25/1996	9,300	NA	690	710	160	1,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	31.78	35.13	NA
MW-2	07/09/1996	100,000	NA	15,000	24,000	1,700	9,900	70,000	NA	NA	NA	NA	NA	NA	NA	NA	66.91	34.35	32.56	NA
MW-2 (D)	07/09/1996	86,000	NA	12,000	19,000	1,400	7,500	32,000	NA	NA	NA	NA	NA	NA	NA	NA	66.91	34.35	32.56	NA
MW-2	10/02/1996	82,000	NA	20,000	32,000	1,800	9,100	40,000	NA	NA	NA	NA	NA	NA	NA	NA	66.91	37.56	29.35	NA
MW-2 (D)	10/02/1996	89,000	NA	19,000	31,000	1,700	8,900	42,000	NA	NA	NA	NA	NA	NA	NA	NA	66.91	37.56	29.35	NA
MW-2	01/09/1997	17,000	NA	710	2,300	350	2,200	4,000	NA	NA	NA	NA	NA	NA	NA	NA	66.91	32.07	34.84	NA
MW-2 (D)	01/09/1997	12,000	NA	490	1,300	260	1,800	2,800	NA	NA	NA	NA	NA	NA	NA	NA	66.91	32.07	34.84	NA
MW-2	04/09/1997	20,000	NA	970	3,500	330	2,000	3,200	NA	NA	NA	NA	NA	NA	NA	NA	66.91	32.78	34.13	NA
MW-2	07/02/1997	28,000	NA	1,700	8,700	550	3,000	5,500	NA	NA	NA	NA	NA	NA	NA	NA	66.91	36.56	30.35	NA
MW-2 (D)	07/02/1997	32,000	NA	2,000	11,000	680	3,800	6,400	NA	NA	NA	NA	NA	NA	NA	NA	66.91	36.56	30.35	NA
MW-2	10/24/1997	14,000	NA	460	1,000	300	2,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	66.91	39.74	27.17	3.2
MW-2 (D)	10/24/1997	14,000	NA	420	980	270	2,000	2,800	NA	NA	NA	NA	NA	NA	NA	NA	66.91	39.74	27.17	3.2
MW-2	01/08/1998	180	NA	2.8	1.6	<0.50	<0.50	7.6	NA	NA	NA	NA	NA	NA	NA	NA	66.91	36.13	30.78	3.6
MW-2	04/14/1998 b	12,000	NA	92	1,500	260	1,900	110	NA	NA	NA	NA	NA	NA	NA	NA	66.91	26.15	40.76	4.6
MW-2	07/15/1998	36,000	NA	250	5,600	830	6,000	6,800	NA	NA	NA	NA	NA	NA	NA	NA	66.91	31.14	35.77	4.8
MW-2 (D)	07/15/1998	35,000	NA	230	5,600	860	600	570	NA	NA	NA	NA	NA	NA	NA	NA	66.91	31.14	35.77	4.8
MW-2	10/13/1998	100	NA	7	12	3.7	10	5.8	NA	NA	NA	NA	NA	NA	NA	NA	66.91	36.14	30.77	0.8
MW-2	01/22/1999	21,000	NA	701	3,330	960	5,420	772	620	<2.0	<2.0	<2.0	<100	<100	<100	<500	66.91	35.97	30.94	1.0
MW-2	04/16/1999	14,000	NA	200	1,600	560	3,300	330	NA	NA	NA	NA	NA	NA	NA	NA	66.91	31.52	35.39	1.0
MW-2	07/22/1999	1,410	NA	28.3	91.2	50.4	256	35.3	15.2	NA	NA	NA	NA	NA	NA	NA	66.91	26.14	40.77	2.1/2.5
MW-2	12/08/1999	<50.0	NA	1.45	1.34	1.15	5.31	5.08	NA	NA	NA	NA	NA	NA	NA	NA	66.91	37.72	29.19	2.1/2.5
MW-2	01/07/2000	743	NA	18.6	47.0	3.06	166	30.3	NA	NA	NA	NA	NA	NA	NA	NA	66.91	38.14	28.77	1.4/1.8
MW-2	04/05/2000	2,320	NA	60.9	101	115	606	62.5	NA	NA	NA	NA	NA	NA	NA	NA	66.91	30.46	36.45	1.7/1.9
MW-2	07/12/2000	12,100	NA	325	555	793	3,610	260	NA	NA	NA	NA	NA	NA	NA	NA	66.91	34.13	32.78	4.1/4.6
MW-2	10/19/2000	4,840	NA	188	267	318	1,370	84.4	NA	NA	NA	NA	NA	NA	NA	NA	66.91	36.50	30.41	4.8/2.6
MW-2	01/15/2001	654	NA	52.3	9.10	37.8	93.6	10.9	NA	NA	NA	NA	NA	NA	NA	NA	66.91	36.73	30.18	4.2/3.5
MW-2	04/30/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	66.91	35.25	31.66	2.4/2.0

WELL CONCENTRATIONS
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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2	07/20/2001	5,400	NA	320	110	340	1,100	NA	33	NA	NA	NA	NA	NA	NA	NA	66.91	37.00	29.91	3.4/2.4
MW-2	10/24/2001 g	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.91	38.63	28.28	NA
MW-2	10/31/2001	1,400	NA	81	16	76	180	NA	29	NA	NA	NA	NA	NA	NA	NA	66.91	38.71	28.20	3.8/2.9
MW-2	01/03/2002	1,800	NA	88	62	130	520	NA	17	NA	NA	NA	NA	NA	NA	NA	66.91	34.71	32.20	3.0/2.1
MW-2	04/05/2002	9,400	NA	190	120	410	1,800	NA	<50	NA	NA	NA	NA	NA	NA	NA	66.91	33.86	33.05	1.3/1.8
MW-2	07/11/2002	6,700	NA	220	73	360	1,100	NA	<20	NA	NA	NA	NA	NA	NA	NA	66.91	35.99	30.92	3.4/2.1
MW-2	10/28/2002	4,600	NA	190	25	210	370	NA	21	NA	NA	NA	NA	NA	NA	NA	66.33	38.05	28.28	0.7/0.9
MW-2	01/07/2003	1,700	NA	9.3	14	83	380	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	66.33	34.22	32.11	3.9/3.6
MW-2	04/14/2003	5,900	NA	86	53	360	1,500	NA	<50	NA	NA	NA	NA	NA	NA	NA	66.33	35.28	31.05	3.0/2.9
MW-2	07/01/2003	2,200	NA	34	24	130	510	NA	3.3	<10	<10	<10	<25	<2.5	<2.5	<250	66.33	35.13	31.20	0.9/1.1
MW-2	10/08/2003	4,000	NA	160	28	220	530	NA	<10	NA	NA	NA	NA	NA	NA	NA	66.33	38.59	27.74	2.9/0.5
MW-2	01/15/2004	3,300	NA	63	29	300	1,000	NA	15	NA	NA	NA	NA	NA	NA	NA	66.33	36.38	29.95	5.0/2.6
MW-2	04/09/2004	3,000	NA	52	20	180	520	NA	3.5	NA	NA	NA	NA	NA	NA	NA	66.33	34.01	32.32	4.2/3.1
MW-2	07/13/2004	3,400	NA	68	18	250	540	NA	4.7	<10	<10	<10	<25	NA	NA	<250	66.33	38.10	28.23	1.20/0.99
MW-2	11/05/2004	2,500	NA	120	14	190	280	NA	17	NA	NA	NA	NA	NA	NA	NA	66.33	38.82	27.51	8.1/8.5
MW-2	01/10/2005	2,700	NA	54	14	220	590	NA	38	NA	NA	NA	NA	NA	NA	NA	66.33	35.97	30.36	3.21/3.06
MW-2	04/11/2005	3,200	NA	50	15	220	500	NA	11	NA	NA	NA	NA	NA	NA	NA	66.33	31.67	34.66	3.53/0.40
MW-2	07/12/2005	3,200	NA	41	13	280	290	NA	10	<10	<10	<10	<25	NA	NA	<250	66.33	33.93	32.40	1.0/1.0
MW-2	10/21/2005	4,300	NA	96	16	420	350	NA	11	NA	NA	NA	NA	NA	NA	NA	66.33	37.19	29.14	2.3/2.0
MW-2	01/09/2006	1,900	NA	34	8.3	160	250	NA	2.3	NA	NA	NA	NA	NA	NA	NA	66.33	33.39	32.94	4.0/3.3
MW-2	04/17/2006	<50.0	NA	1.58	0.690	15.0	24.6	NA	<0.500	NA	NA	NA	NA	NA	NA	NA	66.33	28.41	37.92	3.96/2.43
MW-2	07/13/2006	2,600	NA	19.2	3.23	136	140	NA	1.63	<0.500	<0.500	<0.500	<10.0	NA	NA	<50.0	66.33	32.10	34.23	3.32/3.22
MW-2	**10/19/2006**	**6,840**	**NA**	**41.6**	**7.77**	**293**	**279**	**NA**	**2.68**	**<0.500**	**NA**	**NA**	**NA**	**<0.500**	**<0.500**	**NA**	**66.33**	**35.83**	**30.50**	**3.0/1.5**
MW-3	03/01/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.31	42.00	24.31	NA
MW-3	06/03/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.31	44.30	22.01	NA
MW-3	09/01/1992	<50	NA	<0.5	<0.5	1.1	3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.31	43.62	22.69	NA
MW-3	12/07/1992	52	NA	<0.5	<0.5	<0.5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.31	44.77	21.54	NA
MW-3	03/01/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.31	35.50	30.81	NA
MW-3	06/22/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.31	37.30	29.01	NA
MW-3	09/09/1993	50 a	NA	5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.31	39.90	26.41	NA
MW-3	12/13/1993	120 a	NA	7.5	<0.5	1.6	6.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.31	41.30	25.01	NA
MW-3	03/03/1994	<50	NA	0.81	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.31	38.32	27.99	NA

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MW-3	07/27/1994	<50	NA	3.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	67.52	41.07	26.45	NA
MW-3	08/09/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	67.52	41.37	26.15	NA
MW-3	10/05/1994	<57	NA	<0.3	<0.3	<0.3	<0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	67.52	42.55	24.97	NA
MW-3	11/11/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	67.52	41.86	25.66	NA
MW-3	12/29/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	67.52	42.59	24.93	NA
MW-3	01/04/1995	<50	NA	6	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	67.52	40.54	26.98	NA
MW-3	04/14/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	67.52	31.50	36.02	NA
MW-3	07/12/1995	90	NA	16	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	67.52	35.14	32.38	NA
MW-3	12/14/1995	4,600	NA	460	390	34	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	67.52	39.86	27.66	NA
MW-3	01/10/1996	11,000	NA	470	460	68	670	NA	NA	NA	NA	NA	NA	NA	NA	NA	67.52	39.98	27.54	NA
MW-3	04/25/1996	5,500	NA	830	910	<50	460	NA	NA	NA	NA	NA	NA	NA	NA	NA	67.52	32.38	35.14	NA
MW-3	07/09/1996	72,000	NA	7,600	14,000	970	5,900	59,000	NA	NA	NA	NA	NA	NA	NA	NA	67.52	34.93	32.59	NA
MW-3	10/02/1996	77,000	NA	15,000	24,000	2,000	9,600	94,000	71,000	NA	NA	NA	NA	NA	NA	NA	67.52	38.20	29.32	NA
MW-3	01/09/1997	130	NA	15	16	2	9.7	80	NA	NA	NA	NA	NA	NA	NA	NA	67.52	32.81	34.71	NA
MW-3	04/09/1997	24,000	NA	2,900	5,300	420	2,200	4,100	NA	NA	NA	NA	NA	NA	NA	NA	67.52	33.42	34.10	NA
MW-3 (D)	04/09/1997	24,000	NA	3,000	5,600	450	2,300	4,700	NA	NA	NA	NA	NA	NA	NA	NA	67.52	33.42	34.10	NA
MW-3	07/02/1997	68,000	NA	7,400	18,000	1,600	8,700	16,000	NA	NA	NA	NA	NA	NA	NA	NA	67.52	37.22	30.30	NA
MW-3	10/24/1997	93,000	NA	1,800	8,500	2,300	14,000	3,100	NA	NA	NA	NA	NA	NA	NA	NA	67.52	40.75	26.77	1.8
MW-3	01/08/1998	16,000	NA	140	870	22	5,000	120	NA	NA	NA	NA	NA	NA	NA	NA	67.52	36.90	30.62	2.1
MW-3 (D)	01/08/1998	24,000	NA	100	840	26	5,600	<100	NA	NA	NA	NA	NA	NA	NA	NA	67.52	36.90	30.62	2.1
MW-3	04/14/1998 b	100,000	NA	270	5,000	2,100	17,000	890	NA	NA	NA	NA	NA	NA	NA	NA	67.52	26.92	40.60	1.8
MW-3 (D)	04/14/1998 b	49,000	NA	230	3,200	1,200	8,900	790	NA	NA	NA	NA	NA	NA	NA	NA	67.52	26.92	40.60	1.8
MW-3	07/15/1998	31,000	NA	1,100	3,300	300	2,800	3,700	NA	NA	NA	NA	NA	NA	NA	NA	67.52	31.74	35.78	2
MW-3	10/13/1998	51,000	NA	3,100	12,000	7,630	6,800	6,200	NA	NA	NA	NA	NA	NA	NA	NA	67.52	35.61	31.91	2.1
MW-3 (D)	10/13/1998	88,000	NA	5,800	21,000	1,400	12,000	9200	NA	NA	NA	NA	NA	NA	NA	NA	67.52	35.61	31.91	2.1
MW-3	01/22/1999	25,100	NA	855	4,400	786	5,260	1,850	1,500	<2.0	<2.0	<2.0	<100	<100	<100	<500	67.52	35.29	32.23	0.8
MW-3	04/16/1999	7,800	NA	150	550	160	1,100	370	NA	NA	NA	NA	NA	NA	NA	NA	67.52	32.29	35.23	1.0
MW-3	07/22/1999	1,970	NA	51.2	160	43.1	286	179	109	NA	NA	NA	NA	NA	NA	NA	67.52	26.67	40.85	3.1/3.0
MW-3	12/08/1999	12,500	NA	171	537	141	1,260	717	NA	NA	NA	NA	NA	NA	NA	NA	67.52	38.34	29.18	3.1/2.9
MW-3	01/07/2000	6,020	NA	<10.0	929	177	1,170	217	NA	NA	NA	NA	NA	NA	NA	NA	67.52	38.87	28.65	3.2/2.6
MW-3	04/05/2000	3,890	NA	120	351	67.8	576	231	NA	NA	NA	NA	NA	NA	NA	NA	67.52	31.08	36.44	3.4/3.8
MW-3	07/12/2000	23,300	NA	592	4,690	672	4,620	1,340	NA	NA	NA	NA	NA	NA	NA	NA	67.52	34.80	32.72	0.4/3.7
MW-3	10/19/2000	6,280	NA	124	1,280	229	1,510	311	NA	NA	NA	NA	NA	NA	NA	NA	67.52	37.34	30.18	2.1/2.9

WELL CONCENTRATIONS
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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-3	01/15/2001	4,800	NA	7.04	70.0	70.9	380	54.7	NA	NA	NA	NA	NA	NA	NA	NA	67.52	37.65	29.87	2.7/2.5
MW-3	04/30/2001	<50	NA	<0.50	<0.50	<0.50	1.8	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	67.52	35.25	32.27	1.8/1.6
MW-3	07/20/2001	2,900	NA	11	100	120	520	NA	48	NA	NA	NA	NA	NA	NA	NA	67.52	37.71	29.81	1.2/3.4
MW-3	10/24/2001 g	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	67.52	39.35	28.17	0.5
MW-3	10/31/2001	1,700	NA	4.5	43	43	230	NA	17	NA	NA	NA	NA	NA	NA	NA	67.52	39.30	28.22	0.8/3.0
MW-3	01/03/2002	12,000	NA	26	410	490	2,800	NA	99	NA	NA	NA	NA	NA	NA	NA	67.52	35.51	32.01	1.4/1.2
MW-3	04/05/2002	22,000	NA	76	930	710	4,500	NA	390	NA	NA	NA	NA	NA	NA	NA	67.52	34.56	32.96	1.7/1.9
MW-3	07/11/2002	13,000	NA	23	340	320	1,800	NA	120	NA	NA	NA	NA	NA	NA	NA	67.52	36.65	30.87	1.0/2.2
MW-3	10/28/2002	1,500	NA	<0.50	2.6	13	83	NA	45	NA	NA	NA	NA	NA	NA	NA	66.93	38.85	28.08	1.2/1.1
MW-3	01/07/2003	5,500	NA	8.3	150	130	1,000	NA	130	NA	NA	NA	NA	NA	NA	NA	66.93	34.64	32.29	3.2/3.1
MW-3	04/14/2003	14,000	NA	23	250	470	3,200	NA	330	NA	NA	NA	NA	NA	NA	NA	66.93	35.90	31.03	1.6/2.1
MW-3	07/01/2003	12,000	NA	19	100	440	2,700	NA	250	<10	<10	<10	<25	<2.5	<2.5	<250	66.93	35.70	31.23	0.9/1.0
MW-3	10/08/2003	300	NA	<0.50	0.84	3.0	16	NA	3.7	NA	NA	NA	NA	NA	NA	NA	66.93	39.25	27.68	0.4/2.6
MW-3	01/15/2004	3,500	NA	<5.0	9.4	59	340	NA	54	NA	NA	NA	NA	NA	NA	NA	66.93	36.74	30.19	2.8/3.1
MW-3	04/09/2004	8,500	NA	7.4	53	290	1,600	NA	140	NA	NA	NA	NA	NA	NA	NA	66.93	35.47	31.46	2.1/2.0
MW-3	07/13/2004	3,500	NA	<5.0	<5.0	18	64	NA	24	<20	<20	<20	<50	NA	NA	<500	66.93	38.10	28.83	1.33/1.05
MW-3	11/05/2004	3,000	NA	<5.0	9.3	35	160	NA	43	NA	NA	NA	NA	NA	NA	NA	66.93	39.44	27.49	6.1/6.7
MW-3	01/10/2005	6,000	NA	3.3	12	89	620	NA	140	NA	NA	NA	NA	NA	NA	NA	66.93	36.58	30.35	2.6/1.0
MW-3	04/11/2005	3,000	NA	2.1	8.0	87	420	NA	63	NA	NA	NA	NA	NA	NA	NA	66.93	32.34	34.59	0.19/0.17
MW-3	07/12/2005	5,000	NA	3.8	5.3	190	760	NA	120	<4.0	<4.0	<4.0	33	NA	NA	<100	66.93	34.62	32.31	2.4/2.9
MW-3	10/21/2005	180	NA	<0.50	0.59	3.7	8.4	NA	9.3	NA	NA	NA	NA	NA	NA	NA	66.93	37.80	29.13	0.4/2.2
MW-3	01/09/2006	3,100	NA	0.94	6.1	96	270	NA	26	NA	NA	NA	NA	NA	NA	NA	66.93	34.01	32.92	0.5/0.6
MW-3	04/17/2006	2,700	NA	<0.500	1.13	32.0	95.3	NA	9.55	NA	NA	NA	NA	NA	NA	NA	66.93	28.87	38.06	2.35/2.60
MW-3	07/13/2006	1,090	NA	<0.500	<0.500	17.2	28.6	NA	15.0	<0.500	<0.500	<0.500	<10.0	NA	NA	<50.0	66.93	32.80	34.13	0.8/0.6
MW-3	**10/19/2006**	**8,720**	**NA**	**1.22**	**4.56**	**92.9**	**216**	**NA**	**34.8**	**<0.500**	**NA**	**NA**	**NA**	**<0.500**	**<0.500**	**NA**	**66.93**	**36.54**	**30.39**	**2.1/2.25**
MW-4	07/27/1994	120	NA	3.4	3.9	0.6	4.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	68.08	41.78	26.30	NA
MW-4	08/09/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	68.08	42.09	25.99	NA
MW-4	10/05/1994	<50	NA	<0.3	<0.3	<0.3	<0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	68.08	43.25	24.83	NA
MW-4 (D)	10/05/1994	<50	NA	<0.3	<0.3	<0.3	<0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	68.08	43.25	24.83	NA
MW-4	11/11/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	68.08	42.54	25.54	NA
MW-4	12/29/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	68.08	43.34	24.74	NA
MW-4	01/04/1995	<50	NA	1.4	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	68.08	41.57	26.51	NA

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MW-4	04/14/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	68.08	32.24	35.84	NA
MW-4	07/12/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	68.08	35.88	32.20	NA
MW-4	12/14/1995	70	NA	0.6	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	68.08	40.54	27.54	NA
MW-4	01/10/1996	280	NA	3.7	1	<0.5	0.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	68.08	39.59	28.49	NA
MW-4	04/25/1996	<500	NA	63	<5.0	<5.0	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	68.08	33.22	34.86	NA
MW-4	07/09/1996	<2,000	NA	160	<20	<20	<20	5,300	NA	NA	NA	NA	NA	NA	NA	NA	68.08	35.70	32.38	NA
MW-4	10/02/1996	<5,000	NA	480	<50	<50	<50	19,000	NA	NA	NA	NA	NA	NA	NA	NA	68.08	38.95	29.13	NA
MW-4	01/09/1997	<2,000	NA	43	<20	<20	<20	7,000	NA	NA	NA	NA	NA	NA	NA	NA	68.08	33.04	35.04	NA
MW-4	04/09/1997	<2,500	NA	120	<25	<25	<25	8,100	NA	NA	NA	NA	NA	NA	NA	NA	68.08	34.15	33.93	NA
MW-4	07/02/1997	<2,000	NA	81	<20	<20	<20	6,600	NA	NA	NA	NA	NA	NA	NA	NA	68.08	37.92	30.16	NA
MW-4	10/24/1997	<500	NA	90	<5.0	11	6.3	3,200	NA	NA	NA	NA	NA	NA	NA	NA	68.08	41.00	27.08	2.1
MW-4	01/08/1998	<50	NA	3.9	<0.50	<0.50	<0.50	1,800	NA	NA	NA	NA	NA	NA	NA	NA	68.08	37.54	30.54	2.2
MW-4	04/14/1998 b	920	NA	<0.50	<0.50	<0.50	<0.50	27	NA	NA	NA	NA	NA	NA	NA	NA	68.08	27.75	40.33	1.2
MW-4	07/15/1998	2,100	NA	160	76	120	190	2,600	NA	NA	NA	NA	NA	NA	NA	NA	68.08	32.47	35.61	1.8
MW-4	10/13/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	17	NA	NA	NA	NA	NA	NA	NA	NA	68.08	36.75	31.33	1.1
MW-4	01/22/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	7.1	13	<2.0	<2.0	<2.0	<100	<0.500	<0.500	<500	68.08	36.41	31.67	1.6
MW-4	04/16/1999	1,800	NA	92	35	110	200	1,800	2,750	NA	NA	NA	NA	NA	NA	NA	68.08	33.00	35.08	1.2
MW-4	07/22/1999	Well Inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	68.08	27.59	40.49	NA
MW-4	12/08/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	22.6	NA	NA	NA	NA	NA	NA	NA	NA	68.08	39.04	29.04	2.5/2.6
MW-4	01/07/2000	871	NA	39.4	69.0	71.6	99.6	1,030	NA	NA	NA	NA	NA	NA	NA	NA	68.08	39.35	28.73	1.2/1.2
MW-4	04/05/2000	475	NA	26.9	5.24	19.8	41.5	681	NA	NA	NA	NA	NA	NA	NA	NA	68.08	31.28	36.80	1.6/1.8
MW-4	07/12/2000	1,040	NA	35.7	6.95	125	104	1,040	NA	NA	NA	NA	NA	NA	NA	NA	68.08	35.52	32.56	0.5/4.9
MW-4	10/19/2000	944	NA	23.9	6.57	122	109	372	NA	NA	NA	NA	NA	NA	NA	NA	68.08	38.08	30.00	2.3/1.4
MW-4	01/15/2001	1,170	NA	21.6	1.51	123	52.8	592	NA	NA	NA	NA	NA	NA	NA	NA	68.08	38.31	29.77	1.7/1.9
MW-4	04/30/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	26	NA	NA	NA	NA	NA	NA	NA	68.08	35.80	32.28	1.3/1.0
MW-4	07/20/2001	2,000	NA	16	5.8	230	270	NA	520	NA	NA	NA	NA	NA	NA	NA	68.08	38.46	29.62	1.6/1.8
MW-4	10/24/2001	1,000	NA	6.9	<1.0	96	44	NA	270	NA	NA	NA	NA	NA	NA	NA	68.08	40.02	28.06	0.7/0.9
MW-4	01/03/2002	390	NA	3.0	<0.50	19	5.9	NA	230	NA	NA	NA	NA	NA	NA	NA	68.08	35.71	32.37	1.2/1.9
MW-4	04/05/2002	150	NA	0.57	<0.50	3.8	<0.50	NA	250	NA	NA	NA	NA	NA	NA	NA	68.08	35.25	32.83	1.6/1.6
MW-4	07/11/2002	530	NA	2.6	<0.50	46	4.6	NA	280	NA	NA	NA	NA	NA	NA	NA	68.08	37.39	30.69	0.8/1.9
MW-4	10/28/2002	110	NA	<0.50	<0.50	1.8	<0.50	NA	180	NA	NA	NA	NA	NA	NA	NA	67.52	39.55	27.97	1.1/0.9
MW-4	01/07/2003	210	NA	0.72	<0.50	12	1.5	NA	140	NA	NA	NA	NA	NA	NA	NA	67.52	35.24	32.28	2.1/2.2
MW-4	04/14/2003	220	NA	0.77	<0.50	9.8	1.2	NA	160	NA	NA	NA	NA	NA	NA	NA	67.52	36.62	30.90	1.9/1.5

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MW-4	07/01/2003	61	NA	<0.50	<0.50	<0.50	<1.0	NA	84	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50 c	67.52	36.49	31.03	0.6/0.7
MW-4	10/08/2003	120	NA	<0.50	<0.50	4.4	<1.0	NA	87	NA	NA	NA	NA	NA	NA	NA	67.52	39.96	27.56	2.6/1.5
MW-4	01/15/2004	120	NA	<0.50	<0.50	1.3	<1.0	NA	71	NA	NA	NA	NA	NA	NA	NA	67.52	37.28	30.24	3.5/3.4
MW-4	04/09/2004	390	NA	<0.50	1.1	3.5	19	NA	79	NA	NA	NA	NA	NA	NA	NA	67.52	36.15	31.37	4.3/1.6
MW-4	07/13/2004	89	NA	<0.50	<0.50	<0.50	<1.0	NA	63	<2.0	<2.0	<2.0	<5.0	NA	NA	<50	67.52	39.00	28.52	0.82/0.75
MW-4	11/05/2004	120 k	NA	<0.50	<0.50	<0.50	<1.0	NA	39	NA	NA	NA	NA	NA	NA	NA	67.52	40.13	27.39	5.2/6.0
MW-4	01/10/2005	140	NA	<0.50	<0.50	<0.50	<1.0	NA	44	NA	NA	NA	NA	NA	NA	NA	67.52	37.27	30.25	0.1/0.5
MW-4	04/11/2005	75 k	NA	<0.50	<0.50	<0.50	<1.0	NA	17	NA	NA	NA	NA	NA	NA	NA	67.52	32.92	34.60	0.29/0.18
MW-4	07/12/2005	78	NA	<0.50	<0.50	<0.50	<1.0	NA	21	<2.0	<2.0	<2.0	6.0	NA	NA	<50	67.52	35.35	32.17	1.7/1.5
MW-4	10/21/2005	76	NA	<0.50	<0.50	<0.50	<1.0	NA	27	NA	NA	NA	NA	NA	NA	NA	67.52	38.57	28.95	2.2/1.8
MW-4	01/09/2006	<50	NA	<0.50	<0.50	<0.50	0.51	NA	14	NA	NA	NA	NA	NA	NA	NA	67.52	34.67	32.85	0.6/0.9
MW-4	04/17/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	1.60	NA	NA	NA	NA	NA	NA	NA	67.52	29.68	37.84	1.09/1.54
MW-4	07/13/2006	<50.0	NA	<0.500	<0.500	<0.500	<1.50	NA	6.53	<0.500	<0.500	<0.500	<10.0	NA	NA	<50.0	67.52	33.62	33.90	1.54/2.64
MW-4	**10/19/2006**	**110**	**NA**	**<0.500**	**0.510**	**<0.500**	**1.63 j,n**	**NA**	**37.2**	**<0.500**	**NA**	**NA**	**NA**	**<0.500**	**<0.500**	**NA**	**67.52**	**37.18**	**30.34**	**0.75/1.50**
MW-5*	06/04/1999	159,000	NA	7,190	39,300	2,450	16,700	<5,000	NA	NA	NA	NA	NA	NA	NA	NA	66.50	33.48	33.02	1.7
MW-5	06/04/1999	80,400	NA	4,400	26,000	1,480	11,000	3,660	NA	NA	NA	NA	NA	NA	NA	NA	66.50	33.48	33.02	1.9
MW-5	07/22/1999	97,200	NA	4,580	25,600	1,580	10,100	<5,000	4,330	NA	NA	NA	NA	NA	NA	NA	66.50	33.29	33.21	1.7/1.8
MW-5	12/08/1999	72,000	NA	3,360	16,600	1,560	8,320	3,460	NA	NA	NA	NA	NA	NA	NA	NA	66.50	37.80	28.70	1.7/1.9
MW-5	01/07/2000	104,000	NA	5,370	30,400	2,500	13,900	3,330	NA	NA	NA	NA	NA	NA	NA	NA	66.50	38.40	28.10	1.6/1.2
MW-5	04/05/2000	99,700	NA	5,710	37,000	2,410	14,200	10,800	NA	NA	NA	NA	NA	NA	NA	NA	66.50	30.72	35.78	1.7/1.5
MW-5	07/12/2000	106,000	NA	3,840	38,200	2,980	18,100	3,280	NA	NA	NA	NA	NA	NA	NA	NA	66.50	34.42	32.08	0.2/1.8
MW-5	10/19/2000	72,400	NA	3,010	32,200	2,440	15,400	2,840	NA	NA	NA	NA	NA	NA	NA	NA	66.50	36.89	29.61	1.0/2.7
MW-5	01/15/2001	78,300	NA	2,220	21,400	1,960	12,200	3,420	1,370	NA	NA	NA	NA	NA	NA	NA	66.50	37.10	29.40	1.2/1.0
MW-5	04/30/2001	83,000	NA	1,400	23,000	2,300	14,000	NA	3,400	NA	NA	NA	NA	NA	NA	NA	66.50	34.75	31.75	0.6/0.8
MW-5	07/20/2001 f	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.50	37.40	29.10	0.5
MW-5	07/24/2001	160,000	NA	2,400	37,000	3,800	24,000	NA	1,400	NA	NA	NA	NA	NA	NA	NA	66.50	37.30	29.20	0.7/0.8
MW-5	10/24/2001 g	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.50	39.00	27.50	NA
MW-5	10/31/2001	14,000	NA	150	2,700	450	2,300	NA	110	<2.0	<2.0	<2.0	<50	NA	NA	<500	66.50	39.05	27.45	0.4/0.8
MW-5	01/03/2002	62,000	NA	660	12,000	1,700	11,000	NA	860	NA	NA	NA	NA	NA	NA	NA	66.50	35.15	31.35	0.4/0.3
MW-5	04/05/2002	81,000	NA	1,500	19,000	2,400	13,000	NA	2,400	NA	NA	NA	NA	NA	NA	NA	66.50	34.18	32.32	1.7/1.4
MW-5	07/11/2002	140,000	NA	1,900	26,000	3,400	20,000	NA	1,700	NA	NA	NA	NA	NA	NA	NA	66.50	36.28	30.22	0.5/0.6
MW-5	10/28/2002	30,000	NA	340	4,900	830	5,200	NA	<200	NA	NA	NA	NA	NA	NA	NA	66.50	38.44	28.06	0.6/0.9

WELL CONCENTRATIONS
Shell-branded Service Station
1285 Bancroft Avenue
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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-5	01/07/2003	72,000	NA	720	13,000	1,900	10,000	NA	1,100	NA	NA	NA	NA	NA	NA	NA	66.50	34.17	32.33	1.4/1.1
MW-5	04/14/2003	110,000	NA	900	19,000	3,000	20,000	NA	1,400	NA	NA	NA	NA	NA	NA	NA	66.50	35.52	30.98	0.8/0.6
MW-5	07/01/2003	94,000	NA	970	22,000	3,300	20,000	NA	2,900	<500	<500	<500	<1,300	<130	<130	<13,000 c	66.50	35.37	31.13	1.1/1.0
MW-5	10/08/2003	26,000	NA	290	3,000	960	5,000	NA	300	NA	NA	NA	NA	NA	NA	NA	66.50	38.87	27.63	0.4/0.4
MW-5	01/15/2004	88,000	NA	880	18,000	3,400	19,000	NA	1,500	NA	NA	NA	NA	NA	NA	NA	66.50	36.15	30.35	3.5/2.0
MW-5	04/09/2004	1,100,000	NA	990	26,000	4,400	23,000	NA	3,500	NA	NA	NA	NA	NA	NA	NA	66.50	35.07	31.43	1.1/0.9
MW-5	06/21/2004	76,000	NA	830	18,000	3,400	21,000	NA	1,400	NA	NA	NA	NA	NA	NA	NA	66.50	37.20	29.30	1.5/1.1
MW-5	07/13/2004	91,000	NA	650	14,000	3,500	20,000	NA	1,200	<200	<200	<200	<500	NA	NA	<5,000	66.50	37.80	28.70	1.00/0.96
MW-5	11/05/2004	5,700	NA	<20	400	190	1,100	NA	<20	NA	NA	NA	NA	NA	NA	NA	66.50	39.09	27.41	4.0/5.1
MW-5	01/10/2005	130,000	NA	360	14,000	5,100	35,000	NA	900	NA	NA	NA	NA	NA	NA	NA	66.50	36.22	30.28	0.2/0.1
MW-5	04/11/2005	100,000	NA	220	9,300	3,800	25,000	NA	12,000	NA	NA	NA	NA	NA	NA	NA	66.50	31.85	34.65	0.08/0.21
MW-5	07/12/2005	130,000	NA	530	19,000	6,300	42,000	NA	1,900	<200	<200	<200	730	NA	NA	<5,000	66.50	34.23	32.27	0.9/0.9
MW-5	10/21/2005	190,000	NA	550	18,000	6,700	35,000	NA	920	NA	NA	NA	NA	NA	NA	NA	66.50	37.51	28.99	0.2/0.3
MW-5	01/09/2006	72,000	NA	400	8,700	4,700	18,000	NA	1,300	NA	NA	NA	NA	NA	NA	NA	66.50	33.61	32.89	0.2/0.4
MW-5	04/17/2006	149,000	NA	277	8,630	4,470	24,600	NA	1,930	NA	NA	NA	NA	NA	NA	NA	66.50	28.47	38.03	0.78/0.58
MW-5	07/13/2006	134,000	NA	234	6,050	4,970	26,300	NA	1,160	<0.500	<0.500	<0.500	868	NA	NA	<50.0	66.50	32.47	34.03	0.5/0.3
MW-5	**10/19/2006**	**35,500**	**NA**	**275**	**1,100 o**	**4,920**	**23,100**	**NA**	**206**	**<0.500**	**NA**	**NA**	**NA**	**<0.500**	**<0.500**	**NA**	**66.50**	**36.09**	**30.41**	**0.75/0.50**
MW-6*	06/04/1999	36,000	NA	4,240	1,680	1,100	4,160	11,300	17,500	NA	NA	NA	NA	NA	NA	NA	64.98	32.13	32.85	1.3
MW-6	06/04/1999	56,900	NA	6,830	6,050	1,970	9,060	17,000	24,300	NA	NA	NA	NA	NA	NA	NA	64.98	32.13	32.85	1.3
MW-6	07/22/1999	42,800	NA	4,660	740	1,210	4,980	15,600	20,100	NA	NA	NA	NA	NA	NA	NA	64.98	32.09	32.89	2.9/2.1
MW-6	12/08/1999	9,520	NA	1,760	58.0	142	384	9,320	7,310 c	NA	NA	NA	NA	NA	NA	NA	64.98	36.62	28.36	2.9/2.2
MW-6	01/07/2000	20,000	NA	3,650	367	949	1,700	13,600	13,100	NA	NA	NA	NA	NA	NA	NA	64.98	37.03	27.95	1.2/1.4
MW-6	04/05/2000	20,500 e	NA	4,190 e	1,250 e	1,200 e	2,750 e	18,600 e	12,700 c	NA	NA	NA	NA	NA	NA	NA	64.98	29.37	35.61	1.2/1.2
MW-6	07/12/2000	27,300	NA	4,000	3,170	1,470	4,570	12,900	10,800 c	NA	NA	NA	NA	NA	NA	NA	64.98	33.04	31.94	0.8/0.4
MW-6	10/19/2000	39,600	NA	4,050	6,250	1,920	7,800	14,200	14,600 c	NA	NA	NA	NA	NA	NA	NA	64.98	35.62	29.36	1.4/1.7
MW-6	01/15/2001	64,800	NA	2,090	20,400	1,860	11,100	<1,250	NA	NA	NA	NA	NA	NA	NA	NA	64.98	35.91	29.07	1.2/1.5
MW-6	04/30/2001	27,000	NA	2,300	3,200	1,100	4,600	NA	6,800	NA	NA	NA	NA	NA	NA	NA	64.98	33.70	31.28	1.6/1.2
MW-6	07/20/2001	29,000	NA	2,100	1,900	1,100	5,600	NA	7,100	NA	NA	NA	NA	NA	NA	NA	64.98	35.98	29.00	1.0/0.7
MW-6	10/24/2001	38,000	NA	1,400	690	1,400	5,700	NA	4,800	<10	<10	<10	1,100	NA	NA	<500	64.98	37.55	27.43	1.0/0.6
MW-6	01/03/2002	10,000	NA	810	120	260	1,100	NA	4,100	NA	NA	NA	NA	NA	NA	NA	64.98	33.34	31.64	0.8/0.6
MW-6	04/05/2002	19,000	NA	1,100	1,100	510	3,000	NA	4,300	NA	NA	NA	NA	NA	NA	NA	64.98	34.60	30.38	1.1/1.5
MW-6	07/11/2002	26,000	NA	1,100	550	1,200	4,400	NA	5,400	NA	NA	NA	NA	NA	NA	NA	64.98	35.02	29.96	0.1/0.7

WELL CONCENTRATIONS
Shell-branded Service Station
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San Leandro, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-6	10/28/2002	11,000	NA	230	56	140	540	NA	2,500	NA	NA	NA	NA	NA	NA	NA	65.10	37.78	27.32	0.7/1.1
MW-6	01/07/2003	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	65.10	32.95	32.15	NA
MW-6	01/10/2003	17,000	NA	840	1,200	1,100	2,700	NA	3,400	NA	NA	NA	NA	NA	NA	NA	65.10	32.75	32.35	0.4/0.3
MW-6	04/14/2003	31,000	NA	810	420	1,300	4,000	NA	3,800	NA	NA	NA	NA	NA	NA	NA	65.10	34.95	30.15	3.6/1.0
MW-6	07/01/2003	1,400	NA	88	44	<10	160	NA	1,900	<40	<40	<40	340	<10	<10	<1,000 c	65.10	34.77	30.33	1.2/1.5
MW-6	10/08/2003	26,000	NA	720	92	1,100	1,800	NA	3,500	NA	NA	NA	NA	NA	NA	NA	65.10	37.57	27.53	0.5/0.6
MW-6	01/15/2004	7,300	NA	250	110	340	750	NA	1,100	NA	NA	NA	NA	NA	NA	NA	65.10	35.40	29.70	1.0/3.2
MW-6	04/09/2004	20,000	NA	590	1,700	1,200	3,300	NA	2,400	NA	NA	NA	NA	NA	NA	NA	65.10	33.70	31.40	2.1/3.3
MW-6	07/13/2004	1,700	NA	24	<10	58	84	NA	1,600	<40	<40	<40	320	NA	NA	<1,000	65.10	36.42	28.68	1.11/0.93
MW-6	11/05/2004	24,000	NA	310	33	650	1,900	NA	2,000	NA	NA	NA	NA	NA	NA	NA	65.10	37.64	27.46	3.0/1.2
MW-6	01/10/2005	17,000	NA	120	6.4	270	590	NA	520	NA	NA	NA	NA	NA	NA	NA	65.10	34.77	30.33	0.2/0.1
MW-6	04/11/2005	12,000	NA	290	300	650	1,100	NA	1,400	NA	NA	NA	NA	NA	NA	NA	65.10	31.19	33.91	0.10/0.14
MW-6	07/12/2005	21,000	NA	440	660	1,400	2,600	NA	2,700	<50	<50	<50	1,500	NA	NA	<1,300	65.10	32.85	32.25	1.6/1.7
MW-6	10/21/2005	9,000	NA	260	28	500	420	NA	1,500	NA	NA	NA	NA	NA	NA	NA	65.10	35.85	29.25	0.2/0.3
MW-6	01/09/2006	400	NA	10	1.2	6.6	7.5	NA	110 m	NA	NA	NA	NA	NA	NA	NA	65.10	32.18	32.92	0.2/0.3
MW-6	04/17/2006	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	65.10	27.09	38.01	NA
MW-6	05/02/2006	7,400	NA	101	57.5	156	276	NA	596	NA	NA	NA	NA	NA	NA	NA	65.10	26.98	38.12	0.26/0.31
MW-6	07/13/2006	8,030	NA	119	91.8	305	384	NA	745	<0.500	<0.500	<0.500	370	NA	NA	<50.0	65.10	31.08	34.02	1.62/1.22
MW-6	**10/19/2006**	**3,230**	**NA**	**175**	**25.3**	**431**	**416**	**NA**	**1,020**	**<0.500**	**NA**	**NA**	**NA**	**<0.500**	**<0.500**	**NA**	**65.10**	**34.68**	**30.42**	**3.5/2.75**
MW-7*	06/04/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	65.83	33.03	32.80	1.4
MW-7	06/04/1999	<50.0	NA	0.663	<0.500	0.677	<0.500	11.7	NA	NA	NA	NA	NA	NA	NA	NA	65.83	33.03	32.80	1.4
MW-7	07/22/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	<2.00	NA	NA	NA	NA	NA	NA	NA	65.83	33.09	32.74	2.7/2.4
MW-7	12/08/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	65.83	37.68	28.15	2.7/2.4
MW-7	01/07/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	65.83	37.87	27.96	2.8/2.6
MW-7	04/05/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	65.83	30.30	35.53	2.8/3.1
MW-7	07/12/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	65.83	33.92	31.91	0.9/0.7
MW-7	10/19/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	65.83	36.51	29.32	1.5/1.8
MW-7	01/15/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	65.83	36.73	29.10	4.7/4.3
MW-7	04/30/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	65.83	34.25	31.58	4.2/2.2
MW-7	07/20/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	65.83	36.88	28.95	1.8/1.7
MW-7	10/24/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	65.83	38.45	27.38	1.4/1.5
MW-7	01/03/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	65.83	34.52	31.31	1.2/1.8

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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-7	04/05/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	65.83	34.51	31.32	1.7/1.4
MW-7	07/11/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	65.83	35.77	30.06	4.5/2.5
MW-7	10/28/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	65.84	37.70	28.14	0.4/0.8
MW-7	01/07/2003	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	65.84	33.76	32.08	2.24/1.9
MW-7	04/14/2003	80	NA	2.2	1.1	3.0	9.0	NA	21	NA	NA	NA	NA	NA	NA	NA	65.84	34.99	30.85	2.7/1.9
MW-7	07/01/2003	<50	NA	<0.50	0.75	<0.50	1.1	NA	0.77	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	65.84	34.79	31.05	0.7/0.9
MW-7	10/08/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	65.84	38.37	27.47	1.7/1.8
MW-7	01/15/2004	<50	NA	3.3	1.2	2.7	4.2	NA	18	NA	NA	NA	NA	NA	NA	NA	65.84	35.64	30.20	2.5/3.6
MW-7	04/09/2004	<50	NA	<0.50	<0.50	0.56	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	65.84	34.56	31.28	2.0/1.6
MW-7	07/13/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	65.84	37.30	28.54	0.71/1.10
MW-7	11/05/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	65.84	38.50	27.34	3.2/3.4
MW-7	01/10/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	65.84	35.64	30.20	0.8/0.3
MW-7	04/11/2005	<50 l	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	65.84	31.41	34.43	2.00/1.38
MW-7	07/12/2005	51 k	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	65.84	33.78	32.06	2.7/3.2
MW-7	10/21/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	65.84	36.92	28.92	2.3/2.3
MW-7	01/09/2006	<50	NA	<0.50	<0.50	<0.50	0.56	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	65.84	33.04	32.80	0.2/1.4
MW-7	04/17/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	NA	65.84	28.00	37.84	3.11/3.69
MW-7	07/13/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	NA	65.84	32.00	33.84	2.29/2.75
MW-7	**10/19/2006**	**<50.0**	**NA**	**<0.500**	**<0.500**	**<0.500**	**1.25 j,n**	**NA**	**<0.500**	**<0.500**	**NA**	**NA**	**NA**	**<0.500**	**<0.500**	**NA**	**65.84**	**35.57**	**30.27**	**3.0/3.25**
MW-8*	06/04/1999	<50	NA	<0.500	<0.500	<0.500	<0.500	452	NA	NA	NA	NA	NA	NA	NA	NA	65.07	32.19	32.88	2.1
MW-8	06/04/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	186	NA	NA	NA	NA	NA	NA	NA	NA	65.07	32.19	32.88	1.8
MW-8	07/22/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	286	443	NA	NA	NA	NA	NA	NA	NA	65.07	32.14	32.93	2.9/2.7
MW-8	12/08/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	65.07	36.75	28.32	2.9/2.7
MW-8	01/07/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	255	NA	NA	NA	NA	NA	NA	NA	NA	65.07	37.15	27.92	1.8/2.0
MW-8	04/05/2000	<50.0 e	NA	<0.500 e	<0.500 e	<0.500 e	<0.500 e	247 e	NA	NA	NA	NA	NA	NA	NA	NA	65.07	29.45	35.62	2.1/2.5
MW-8	07/12/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	123	NA	NA	NA	NA	NA	NA	NA	NA	65.07	33.13	31.94	0.5/0.5
MW-8	10/19/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	123	NA	NA	NA	NA	NA	NA	NA	NA	65.07	35.72	29.35	1.2/1.8
MW-8	01/15/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	173	NA	NA	NA	NA	NA	NA	NA	NA	65.07	36.00	29.07	0.5/1.0
MW-8	04/30/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	120	NA	NA	NA	NA	NA	NA	NA	65.07	33.48	31.59	1.4/1.0
MW-8	07/20/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	210	NA	NA	NA	NA	NA	NA	NA	65.07	36.12	28.95	1.0/1.2
MW-8	10/24/2001	<100	NA	<1.0	<1.0	<1.0	<1.0	NA	360	NA	NA	NA	NA	NA	NA	NA	65.07	37.73	27.34	1.4/0.5
MW-8	01/03/2002	290	NA	<0.50	<0.50	<0.50	<0.50	NA	18	NA	NA	NA	NA	NA	NA	NA	65.07	35.37	29.70	1.2/1.1

WELL CONCENTRATIONS
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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-8	04/05/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	100	NA	NA	NA	NA	NA	NA	NA	65.07	35.40	29.67	1.2/1.3
MW-8	07/11/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	230	NA	NA	NA	NA	NA	NA	NA	65.07	35.05	30.02	0.3/0.4
MW-8	10/28/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	210	NA	NA	NA	NA	NA	NA	NA	65.08	37.25	27.83	1.1/1.2
MW-8	01/07/2003	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	97	NA	NA	NA	NA	NA	NA	NA	65.08	33.01	32.07	1.4/1.7
MW-8	04/14/2003	<50	NA	<0.50	<0.50	<0.50	1.1	NA	130	NA	NA	NA	NA	NA	NA	NA	65.08	34.29	30.79	2.5/0.9
MW-8	07/01/2003	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	430	<10	<10	<10	<25	<2.5	<2.5	<250	65.08	34.04	31.04	0.6/0.8
MW-8	10/08/2003	<100	NA	<1.0	<1.0	<1.0	<2.0	NA	240	NA	NA	NA	NA	NA	NA	NA	65.08	37.58	27.50	0.6/0.7
MW-8	01/15/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	78	NA	NA	NA	NA	NA	NA	NA	65.08	35.00	30.08	1.3/2.0
MW-8	04/09/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	82	NA	NA	NA	NA	NA	NA	NA	65.08	33.68	31.40	1.7/2.4
MW-8	07/13/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	120	<2.0	<2.0	<2.0	<5.0	NA	NA	<50	65.08	36.75	28.33	2.18/1.74
MW-8	11/05/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	91	NA	NA	NA	NA	NA	NA	NA	65.08	37.78	27.30	1.8/2.5
MW-8	01/10/2005	54 k	NA	<0.50	<0.50	<0.50	<1.0	NA	76	NA	NA	NA	NA	NA	NA	NA	65.08	35.15	29.93	0.1/0.2
MW-8	04/11/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	28	NA	NA	NA	NA	NA	NA	NA	65.08	30.57	34.51	0.41/0.18
MW-8	07/12/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	36	<2.0	<2.0	<2.0	6.6	NA	NA	<50	65.08	32.94	32.14	1.4/2.2
MW-8	10/21/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	31	NA	NA	NA	NA	NA	NA	NA	65.08	36.16	28.92	0.4/0.5
MW-8	01/09/2006	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	2.3	NA	NA	NA	NA	NA	NA	NA	65.08	32.53	32.55	0.5/0.7
MW-8	04/17/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	17.6	NA	NA	NA	NA	NA	NA	NA	65.08	27.48	37.60	2.65/3.31
MW-8	07/13/2006	<50.0	NA	<0.500	<0.500	<0.500	<1.50	NA	9.74	<0.500	<0.500	<0.500	<10.0	NA	NA	<50.0	65.08	31.14	33.94	0.91/1.23
MW-8	**10/19/2006**	**<50.0**	**NA**	**<0.500**	**<0.500**	**<0.500**	**0.780 j,n**	**NA**	**12.6**	**<0.500**	**NA**	**NA**	**NA**	**<0.500**	**<0.500**	**NA**	**65.08**	**34.79**	**30.29**	**2.5/3.0**
MW-9	03/15/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	65.55	34.05	31.50	NA
MW-9	04/09/2004	16,000	NA	460	330	980	3,000	NA	900	NA	NA	NA	NA	NA	NA	NA	65.55	34.02	31.53	1.6/1.4
MW-9	07/13/2004	9,600	NA	190	91	640	1,500	NA	810	<40	<40	<40	340	NA	NA	<1,000	65.55	36.90	28.65	0.77/0.80
MW-9	11/05/2004	6,300	NA	130	24	470	840	NA	450	NA	NA	NA	NA	NA	NA	NA	65.55	38.05	27.50	9.1/8.2
MW-9	01/10/2005	6,100	NA	130	80	450	1,000	NA	280	NA	NA	NA	NA	NA	NA	NA	65.55	35.42	30.13	1.67/0.29
MW-9	04/11/2005	1,100	NA	40	21	99	220	NA	120	NA	NA	NA	NA	NA	NA	NA	65.55	31.71	33.84	0.90/0.33
MW-9	07/12/2005	2,200	NA	56	19	180	350	NA	290	<4.0	<4.0	<4.0	210	NA	NA	<100	65.55	33.32	32.23	1.0/2.7
MW-9	10/21/2005	8,300	NA	190	59	610	1,100	NA	930	NA	NA	NA	NA	NA	NA	NA	65.55	36.50	29.05	0.4/0.3
MW-9	01/09/2006	6,100	NA	170	100	460	950	NA	560	NA	NA	NA	NA	NA	NA	NA	65.55	32.75	32.80	0.8/0.4
MW-9	04/17/2006	<50.0	NA	5.89	4.25	17.4	38.1	NA	15.8	NA	NA	NA	NA	NA	NA	NA	65.55	28.06	37.49	1.30/2.72
MW-9	07/13/2006	<50.0	NA	<0.500	<0.500	<0.500	<1.50	NA	1.49	<0.500	<0.500	<0.500	<10.0	NA	NA	<50.0	65.55	31.53	34.02	2.1/2.4
MW-9	**10/19/2006**	**10,600**	**NA**	**85.5**	**22.7**	**335**	**442**	**NA**	**510**	**<0.500**	**NA**	**NA**	**NA**	**<0.500**	**<0.500**	**NA**	**65.55**	**34.98**	**30.57**	**1.00/2.25**

WELL CONCENTRATIONS
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San Leandro, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-10	03/15/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64.36	32.74	31.62	NA
MW-10	04/09/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	17	NA	NA	NA	NA	NA	NA	NA	64.36	33.20	31.16	1.6/1.0
MW-10	07/13/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	130	<2.0	<2.0	<2.0	<5.0	NA	NA	<50	64.36	36.05	28.31	1.95/2.04
MW-10	11/05/2004	140 k	NA	<0.50	<0.50	<0.50	<1.0	NA	55	NA	NA	NA	NA	NA	NA	NA	64.36	37.16	27.20	2.8/3.4
MW-10	01/10/2005	60 k	NA	<0.50	<0.50	<0.50	<1.0	NA	22	NA	NA	NA	NA	NA	NA	NA	64.36	34.48	29.88	0.3/0.2
MW-10	04/11/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	40	NA	NA	NA	NA	NA	NA	NA	64.36	30.01	34.35	0.06/0.04
MW-10	07/12/2005	51 k	NA	<0.50	<0.50	<0.50	<1.0	NA	31	<2.0	<2.0	<2.0	290	NA	NA	<50	64.36	32.40	31.96	1.9/1.9
MW-10	10/21/2005	63 k	NA	<0.50	<0.50	<0.50	<1.0	NA	7.2	NA	NA	NA	NA	NA	NA	NA	64.36	35.54	28.82	0.3/0.5
MW-10	01/09/2006	69	NA	<0.50	<0.50	<0.50	<0.50	NA	9.0	NA	NA	NA	NA	NA	NA	NA	64.36	31.90	32.46	0.2/0.2
MW-10	04/17/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	31.6	NA	NA	NA	NA	NA	NA	NA	64.36	26.82	37.54	0.68/1.26
MW-10	07/13/2006	<50.0	NA	<0.500	<0.500	<0.500	<1.50	NA	2.36	<0.500	<0.500	<0.500	25.2	NA	NA	<50.0	64.36	30.56	33.80	0.65/1.39
MW-10	**10/19/2006**	**<50.0**	**NA**	**<0.500**	**<0.500**	**<0.500**	**0.650 j,n**	**NA**	**6.72**	**<0.500**	**NA**	**NA**	**NA**	**<0.500**	**<0.500**	**NA**	**64.36**	**34.20**	**30.16**	**0.75/1.2**
MW-11	03/15/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	63.54	32.05	31.49	NA
MW-11	04/09/2004	<50	NA	<0.50	0.64	1.6	3.8	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	63.54	32.51	31.03	2.3/4.3
MW-11	07/13/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	<50	63.54	32.79	30.75	1.73/2.10
MW-11	11/05/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	63.54	36.44	27.10	4.8/6.2
MW-11	01/10/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	63.54	33.70	29.84	3.2/3.4
MW-11	04/11/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	63.54	29.48	34.06	0.24/0.19
MW-11	07/12/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	<50	63.54	31.72	31.82	3.9/5.2
MW-11	10/21/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	63.54	35.00	28.54	1.1/3.8
MW-11	01/09/2006	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	63.54	31.18	32.36	2.6/3.8
MW-11	04/17/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	NA	63.54	26.16	37.38	4.15/5.06
MW-11	07/13/2006	<50.0	NA	<0.500	<0.500	<0.500	<1.50	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	NA	<50.0	63.54	30.00	33.54	3.50/5.45
MW-11	**10/19/2006**	**<50.0**	**NA**	**<0.500**	**<0.500**	**<0.500**	**0.570 j,n**	**NA**	**<0.500**	**<0.500**	**NA**	**NA**	**NA**	**<0.500**	**<0.500**	**NA**	**63.54**	**33.50**	**30.04**	**3.9/4.3**
MW-12	03/15/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	65.58	33.97	31.61	NA
MW-12	04/09/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	65.58	34.60	30.98	3.4/5.7
MW-12	07/13/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	<50	65.58	37.15	28.43	2.13/2.57
MW-12	11/05/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	65.58	38.39	27.19	5.4/6.3
MW-12	01/10/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	65.58	35.54	30.04	5.6/4.5
MW-12	04/11/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	65.58	31.36	34.22	0.26/0.31
MW-12	07/12/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	<50	65.58	33.68	31.90	4.8/5.3

WELL CONCENTRATIONS
Shell-branded Service Station
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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-12	10/21/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	65.58	36.81	28.77	3.5/4.5
MW-12	01/09/2006	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	65.58	33.02	32.56	1.5/4.0
MW-12	04/17/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	NA	65.58	28.06	37.52	6.09/5.41
MW-12	07/13/2006	<50.0	NA	<0.500	<0.500	<0.500	<1.50	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	NA	<50.0	65.58	32.03	33.55	3.65/4.12
MW-12	**10/19/2006**	**<50.0**	**NA**	**<0.500**	**<0.500**	**<0.500**	**1.33**	**NA**	**<0.500**	**<0.500**	**NA**	**NA**	**NA**	**<0.500**	**<0.500**	**NA**	**65.58**	**35.47**	**30.11**	**5.8/5.7**
IW-1	06/04/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IW-1	07/22/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IW-1	12/08/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IW-1	01/07/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IW-1	04/05/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	27.85	NA	NA
IW-1	07/12/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IW-1	10/19/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.7/1.8
IW-1	01/15/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.35	NA	1.0/1.2
IW-1	04/30/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	31.74	NA	1.4/3.8
IW-1	07/20/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	34.38	NA	3.0/4.0
IW-1	10/24/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	36.28	NA	5.8/7.0
IW-1	01/03/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	31.96	NA	3.1/3.1
IW-1	04/05/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	32.00	NA	2.8/2.9
IW-1	07/11/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	33.22	NA	4.6/4.6
IW-1	10/28/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	35.55	NA	1.7/1.9
IW-1	01/07/2003	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	31.20 h	NA	1.4./1.0
IW-1	04/14/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	32.35	NA	3.9/4.3
IW-1	07/01/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.64	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	NA	33.03	NA	3.7/4.9
IW-1	10/08/2003	<50	NA	1.1	<0.50	3.5	5.7	NA	19	NA	NA	NA	NA	NA	NA	NA	NA	35.75	NA	3.8/4.8
IW-1	01/15/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	i	NA	4.0/6.0
IW-1	04/09/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	32.04	NA	4.0/5.1
IW-1	07/13/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	<50	NA	35.21	NA	5.21/5.72
IW-1	11/05/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	35.96	NA	5.3/5.9
IW-1	01/10/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	33.08	NA	4.8/3.7
IW-1	04/11/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	32.03	NA	3.76/3.14
IW-1	07/12/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	<50	NA	31.32	NA	5.3/5.8
IW-1	10/21/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	63.12	34.49	28.63	4.5/5.1

WELL CONCENTRATIONS
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
IW-1	01/09/2006	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	63.12	30.55	32.57	5.6/5.1
IW-1	04/17/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	NA	63.12	25.58	37.54	5.00/5.17
IW-1	07/13/2006	<50.0	NA	<0.500	<0.500	<0.500	<1.50	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	NA	<50.0	63.12	29.60	33.52	4.81/4.89
IW-1	**10/19/2006**	**<50.0**	**NA**	**<0.500**	**<0.500**	**<0.500**	**1.14**	**NA**	**<0.500**	**<0.500**	**NA**	**NA**	**NA**	**<0.500**	**<0.500**	**NA**	**63.12**	**32.85**	**30.27**	**4.6/4.8**

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to April 30, 2001, analyzed by EPA Method 8015.
TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to April 30, 2001, analyzed by EPA Method 8020.
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B.
ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B.
TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B.
TBA = Tertiary butyl alcohol or Tertiary butanol, analyzed by EPA Method 8260B.
1,2-DCA = 1,2-Dichloroethane, analyzed by EPA Method 8260B.
EDB = Ethylene Dibromide, analyzed by EPA Method 8260B.
TOC = Top of Casing Elevation
SPH = Separate-Phase Hydrocarbons
GW = Groundwater
DO = Dissolved Oxygen
ug/L = Parts per billion
ppm = Parts per million
MSL = Mean sea level
ft. = Feet
<n = Below detection limit
(D) = Duplicate sample
n/n = Pre-purge/post-purge DO reading.
NA = Not applicable

WELL CONCENTRATIONS
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)

Notes:

a = Chromatogram pattern indicated an unidentified hydrocarbon.

b = Equipment blank contained 80 ug/L TPH-G, 1.2 ug/L benzene, 17 ug/L toluene, 3.2 ug/L ethylbenzene, 16 ug/L xylenes, and 15 ug/L MTBE.

c = Sample was analyzed outside the EPA recommended holding time.

d = DO Reading not taken.

e = Result was generated out of hold time.

f = Stinger broke off in well; removed on subsequent return trip.

g = Unable to complete sample due to equipment failure.

h = Depth to water at five minutes purge time.

i = Unable to gauge; sounder will not fit down access port.

j = Result may be elevated due to carry over from previously analyzed sample.

k = Quantity of unknown hydrocarbons in sample based on gasoline.

l = The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern.

m = The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.

n = Insufficient sample available for reanalysis.

o = Concentration exceeds the calibration range and therefore result is semi-quantitative.

* = Pre-purge samples.

Ethanol analyzed by EPA Method 8260B.

TOC elevation of wells MW-1, MW-2, and MW-3 resurveyed March 29, 1994.

Site surveyed on June 21, 1999 by Virgil Chavez Land Surveying of Vallejo, CA.

Site surveyed on March 14, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells MW-9, MW-10, MW-11, and MW-12 surveyed on February 24, 2004 by Virgil Chavez Land Surveying of Vallejo, CA.

Well "Irrigation Well" surveyed on October 25, 2005 by Virgil Chavez Land Surveying of Vallejo, CA.

Well "IW-1" previously named "Irrigation Well."

ATTACHMENT C

Site Conceptual Model

Site Address:	1285 Bancroft Avenue	Incident Number:	98996067
City:	San Leandro, CA	Regulator:	Alameda County Health Care Services Agency

Site Conceptual Model
Updated January 2007

Item	Evaluation Criteria	Comments/Discussion
1	**Hydrocarbon Source**	
1.1	Identify/Describe Release Source and Volume (if known)	In November 1986, Petroleum Engineering of Santa Rosa, California removed a 550-gallon waste-oil tank and installed a new 550-gallon fiberglass tank in the former tank pit. Immediately following the tank removal, Blaine Tech Services (BTS) of San Jose, California collected soil samples beneath the former tank location at 9 fbg. The soil samples contained 83 ppm petroleum oil and grease and 583 ppm total oil and grease (TOG). After additional excavation, BTS collected another soil sample at 9.5 fbg, which contained 89 ppm TOG. No groundwater was encountered in the tankpit. The volume of release is unknown. In October 1995, American West of Livermore, California replaced the fuel dispensers and excavated product line trenches. Six soil samples at 2 fbg and two excavation confirmation samples at 3.5 and 4.0 fbg were collected. Soil samples contained up to 130 ppm TPHg, 0.31 ppm benzene, 0.49 ppm toluene, 0.53 ppm ethylbenzene, and 4.6 ppm xylenes. In April 2002, Shell conducted enforced UST testing of the single wall USTs by the Vaun test method. The "plus" tank failed the initial test. It was emptied, inspected, recoated with additional fiberglass, and retested. Retest results indicated the "plus" UST passed.
1.2	Discuss Steps Taken to Stop Release	The waste-oil tank was replaced in 1986; dispensers were replaced in 1995. Additional excavation following waste oil tank removal in 1986. UST sumps and dispensers were upgraded in 2005. UST repair to the "plus" tank in 2002.
2	**Site Characterization**	
2.1	Current Site Use/Status	The operating Shell-branded service station is located at the northwest corner of Bancroft and Estudillo Avenues in San Leandro, California. There are three underground gasoline storage tanks, a 550-gallon waste-oil tank, four dispensers on two dispenser islands at the site, and one station building with three automobile service bays.

2.2	Soil Definition Status	Based on the soil samples collected (SCM-Table 1), the area of greatest soil impact is at MW-2 at 27.5 fbg, 41.5 and 44.5 fbg. No soil samples were analyzed from surface to 27 fbg, and the 41.5 and 44.5 fbg samples represent groundwater saturated soil conditions. The extent of impacted soils in the vicinity of the UST complex has not been delineated. Based on other onsite and offsite soil samples, there is minimal offsite impact to soil; thus it has been sufficiently delineated.
2.3	Separate-Phase Hydrocarbon Definition Status	No separate-phase hydrocarbons have been found at the site. A hydrocarbon sheen was described in the boring of BH-B/MW-2 the 53 to 60 fbg interval. This same lens was encountered and screened by wells MW-1, MW-3, and MW-4, but did not indicate hydrocarbon sheen.
2.4	Groundwater Definition Status (BTEX)	Based on the results from the grab groundwater analyses from 2003 (SCM-Table 2) and the October 2006 quarterly monitoring data, hydrocarbon concentrations at the northwest boundary of the site (MW-7) are rarely detected above laboratory reporting limits and then at low concentrations. Although hydrocarbons have been detected in groundwater near the southeastern boundary of the site (SB-7), hydrocarbons are not detected 65 feet southeast of the site (MW-8). Groundwater at the eastern (SB-11) and northeastern (SB-10) boundaries of the site contain detectable concentrations of hydrocarbons. Delineation in the upgradient direction has not been performed. Vertical delineation of petroleum hydrocarbons in the deeper coarse unit is unclear since wells intersecting that zone also intersect the shallower, more-impacted coarse unit.
2.5	BTEX Plume Stability and Concentration Trends	Hydrocarbon concentrations in the wells are stable to decreasing, with wells MW-7, MW-8, MW-10, MW-11, and MW-12 basically non-detect. Wells with detectable concentrations do fluctuate in relation to the depth to groundwater, but overall are stable to decreasing. Some of the fluctuations in TPHg data may be attributable to different laboratories performing the work, some of which excluded oxygenates from the quantification of TPHg; however, the BTEX concentrations would not be affected by this practice and show overall stable to decreasing trends.
2.6	Groundwater Definition Status (MTBE)	Based on the results from the grab groundwater analyses from 2003 (SCM-Table 2) and the October 2006 quarterly monitoring data, MTBE in groundwater is present primarily onsite. The highest chemical concentrations in groundwater detected in the investigation were in onsite boring SB-7 at 6,000 ppb in August 2003. Low MTBE concentrations have been detected in groundwater from the northernmost, cross-gradient soil boring (SB-6) and the easternmost, up-gradient, monitoring well (MW-2).

		Offsite, chemical concentrations in grab groundwater samples were low to non-detect with the exception of groundwater from boring SB-2, which contained 2,000 ppb MTBE in August 2003. MTBE is delineated to below the method detection limits in borings SB-1, SB-4, SB-9, and SB-10, and monitoring wells MW-7, MW-8, MW-10, MW-11, and MW-12.
2.7	MTBE Plume Stability and Concentration Trends	Overall, MTBE concentrations are exhibiting decreasing trends. The historical maximum concentration of MTBE in the site wells was 94,000 ppb reported by EPA Method 8020 in MW-3 in October 1996 (confirmed by EPA Method 8260B at 71,000 ppb). The October 2006 monitoring data showed detectable concentrations ranging from 0.8 to 1,020 ppb, with the maximum concentration in well MW-6. MTBE concentrations in well MW-6, near the western boundary of the site, were decreasing during mobile DPE activities, between November 2000 and January 2005, rebounded from 520 ppb (1/10/05) to 2,700 ppb (7/12/05) and have been decreasing since. Fluctuations in the concentrations do occur in relation to the depth to water and the coarse-grained zone. As of January 1, 2003, MTBE is no longer included in the formulation of Shell gasoline, thus, given the relatively low concentrations and limited lateral extent, the residual MTBE concentrations will likely attenuate naturally and therefore do not pose a threat to offsite receptors.
2.8	Groundwater Flow Direction, Depth Trends and Gradient Trends	Groundwater at the site ranged from approximately 33.5 to 37.18 fbg during the October 2006 monitoring event. The shallowest recorded depth to water was 23.2 fbg in July 1999. The deepest recorded depth to water was 44.85 fbg in September 1991. The prevailing groundwater flow direction is to the west-southwest.
2.9a	Regional Geology	United States Geological Survey (USGS) publications and maps indicate that the site area is underlain by Holocene Era alluvial fan and fluvial deposits (symbol Q_{haf}) (*Areal and Engineering Geology of the Oakland West Quadrangle, California,* D.H. Radbruch, USGS, *Miscellaneous Geological Investigations, Map I-239,* 1957, and *Geologic Map and Map Database of the Oakland Metropolitan Area, Alameda, Contra Costa, and San Francisco Counties, California*, USGS R.W. Graymer, 2000). Alluvial fan deposits are brown or tan, medium dense to dense, gravely sand or sandy gravel then generally grades upward to sandy or silty clay. Near the distal fan edges, the fluvial deposits are typically brown, never reddish, medium dense sand that fines upward to sandy or silty clay. The Hayward Fault Zone lies approximately one mile east of the site.

2.9b	Topography	The site is located approximately 0.75 miles west of the San Leandro Hills and approximately 500 feet south of San Leandro Creek. The site is approximately 67 feet above mean sea level and slopes very gently towards the San Francisco Bay to the west.
2.9c	Stratigraphy and Hydrogeology	The site is underlain by a layer of light brown, moist, gravelly, fill to an approximate depth of 2 fbg; the fill is underlain by sandy silt/clayey silt to approximately 39 fbg. Sandy gravel lenses exists at various depths and thicknesses from 30 fbg to the total explored depth of 60 fbg in MW-1 through MW-6, MW-8 through MW-12, and SB-1 through SB-10 (Boring Logs are included in SCM Attachment 1). According to the *East Bay Plain Groundwater Basin Beneficial Use Evaluation Report,* (California Regional Water Quality Control Board – San Francisco Bay Region, June 1999), the site is located within the San Leandro Sub-Area of the San Francisco Basin of the East Bay Plain. The San Leandro Sub-Area is primarily filled with alluvial fans. The Yerba Buena Mud extends west into the San Leandro Sub-Area and it has been proposed that a clay layer forms an extensive, east-west trending aquitard across this basin. There have historically been municipal supply wells in the Sub-Area that produced from upper Alameda gravels. Throughout most of the Alameda County portion of the East Bay Plain, from Hayward north to Albany, water level contours show that the direction of groundwater flow is from east to west or from the Hayward Fault to San Francisco Bay. Groundwater flow direction generally correlates to topography. Flow direction and velocity are also influenced by buried stream channels that typically are oriented in an east-west direction.
2.10	Preferential Pathways Analysis	Utilities are not typically buried deeper than the shallowest recorded depth to water (23.2 fbg, recorded in July 1999) and therefore it is highly unlikely that utility trenches within and near the site and plume areas could be serving as preferential pathways for chemical migration in groundwater. The gravel lens between approximately 37 and 42 fbg appears to provide a preferential MTBE pathway.

2.11	Other Pertinent Issues	Historical sampling at the site encountered PCE and chloroform. Based on a recent agency request, the site monitoring wells were analyzed for VOCs. Results indicate the presence of PCE in every well except MW-5, MW-6, and MW-10; the maximum concentration was 7.46 ppb in well MW-7. TCE was reported in one offsite well (MW-9) at 0.500 ppb, and chloroform was reported in one offsite well (MW-11) at 3.49 ppb. The offsite irrigation well that is monitored (IW-1) reported PCE at 3.22 ppb. Further monitoring for these constituents is ongoing.
3	**Remediation Status**	
3.1	Remedial Actions Taken	Oxygen Releasing Compound socks (ORC) were in wells MW-2 and MW-3 from October 1997 through January 22, 1999. ORCs were removed due to concern by ACHCSA that the ORCs were masking the true hydrocarbon concentrations in the aquifer. Mobile GWE was performed at the site on September 2, 1998, and weekly GWE events were performed from July 30, 1999 through September 9, 1999, using wells MW-1, MW-3, and MW-5. Between November 2000 and January 2005, Cambria conducted monthly mobile DVE using wells MW-5 and MW-6, extracting groundwater and vapors for approximately three hours from each well. DVE removed soil vapors and separate phase hydrocarbons from the vadose zone and enhanced product removal from remediation or monitoring wells.
3.2	Area Remediated	Mobile DVE addressed hydrocarbon and MTBE removal downgradient of the UST complex and downgradient of the waste-oil tank.
3.3	Remediation Effectiveness	The ORCs appear to have been somewhat effective as significant rebound of concentrations was not observed following their removal and stabilization of the aquifer. As of the January, 2005, 17.9 pounds of dissolved phase TPHg, 0.77 pounds of dissolved-phase MTBE, 131.5 pounds of vapor-phase TPHg and 1.2 pounds of vapor-phase MTBE have been removed from the subsurface through DVE activities and. MTBE groundwater concentrations had decreased from 10,800 ppb to 900 ppb in target well MW-5 and from 12,700 to 520 in target well MW-6 between November 1999 and January 2005. As of October 2006 MTBE groundwater concentrations were 206 ppb in MW-5 and 1,020 ppb in MW-6. Vapor concentrations were at their highest and yielded the most effective hydrocarbon recovery when the water level was below 29 feet MSL and a gravel lens between approximately 37.5 and 42.5 fbg in MW-5 and between 36 and 47.5 fbg in MW-6 was exposed.

4	Well and Sensitive Receptor Survey	
4.1	Designated Beneficial Water Use	The RWQCB Basin Plan designates the San Leandro Sub-Basin has existing municipal and domestic, agricultural, industrial, and process water supply beneficial uses. However, as stated in the *East Bay Plain Groundwater Basin Beneficial Use Evaluation Report,* (California Regional Water Quality Control Board – San Francisco Bay Region, June 1999), the city of San Leandro does not have "any plans to develop local groundwater resources for drinking water purposes, because of existing or potential saltwater intrusion, contamination, or poor or limited quantity."
4.2	Shallow Groundwater Use	Shallow wells within a half-mile of the site are associated with irrigation and/or groundwater monitoring.
4.3	Deep Groundwater Use	The deepest wells within a half-mile radius are a 260-foot domestic well located approximately 3/8 mile northeast of the site and a 571-foot irrigation well located about 3/8 mile northwest of the site. Other deep groundwater use is unknown.
4.4	Well Survey Results	Cambria's April 1998 *Potential Receptor Survey* identified 28 domestic and irrigation wells within a one-half mile radius of the site. The Well Survey table is included as SCM-Table 3. Irrigation well 2S/3W-25L1, located approximately 150 feet west of the site at 566 Estudillo Avenue, was added to the quarterly monitoring and sampling program for this site in the second quarter of 1999. The Department of Water Resources well log for this well indicates that the well is installed to a depth of 88 fbg, however no other construction details are given. The well was inspected and video taped on February 2, 2004 and it is an 8-inch diameter well, perforated from approximately 64 to 79 fbg.
4.5	Likelihood of Impact to Wells	As reported in the groundwater monitoring reports for this site, MTBE was detected in irrigation well 2S/3W-25L1, located approximately 150 feet west of the site at 566 Estudillo Avenue, during the third and fourth quarter of 2003 at 0.64 ppb and 19 ppb MTBE, respectively. MTBE has not been detected (at $\geq$0.500 ppb) since October 2003 in the irrigation well. During the 4Q06 monitoring event, tetrachloroethene was detected in this irrigation well (IW-1) at a concentration of 3.22 µgl (this is below the drinking water standard of 5.0 µg/l). Due to distance or location (up- or cross-gradient of the site) it is unlikely that chemicals originating from the site will impact any other wells identified within the survey radius.
4.6	Likelihood of Impact to Surface Water	Given that the nearest surface water, San Leandro Creek, is located approximately 500 feet northwest of the site and due to the groundwater flow direction and constituent concentrations 150 feet west of the site, the likelihood of

		impact to surface water from chemicals originating from the site is low. This is supported by very low to non-detect concentrations in well MW-7 which is located just at the property boundary in the northwestern direction.
5	**Risk Assessment**	
5.1	Site Conceptual Exposure Model (current and future uses)	The site is an active Shell-branded service station surrounded primarily by residential property. The site land use is expected to remain commercial for the foreseeable future. TPHg, BTEX, and MTBE have been identified as the primary chemicals of concern (COCs) for this site; however, recent detections of some VOCs need to be evaluated.
5.2	Exposure Pathways	Potential exposure pathways include inhalation of COCs volatilized to indoor and outdoor air from impacted groundwater and soil on site by the commercial occupants of the site and/or the residential occupants of the west-southwestern adjacent property. Ingestion of impacted groundwater from the irrigation well located 150 west of the site may also be considered a complete exposure pathway. However, it has been verified that the well is not used for drinking water purposes. No impacted surface soil (less than 10 fbg) has been encountered or is expected on the offsite property. Therefore, ingestion of, dermal exposure to, and inhalation of particulates from impacted surface soil offsite are not considered as complete exposure pathways.
5.3	Risk Assessment Status	In 2001, Cambria collected in-situ vapor and physical soil property samples and prepared a RBCA analysis of the potential risk to offsite receptors posed by hydrocarbons originating from the site. This evaluation showed that calculated excess cancer risk posed by the site was below the target risk level of 1×10^{-6}, and that the offsite conditions at the time did not pose a significant risk to offsite occupants directly adjacent to the site. Comparison of the June 2000 vapor results (converted into units of $\mu g/m^3$) from the 5 fbg depth to the current RWQCB ESLs indicate that all results were below the listed residential and commercial land use soil gas screening levels. Ingestion of impacted groundwater was not considered in the analysis since no COCs had been detected in the irrigation well downgradient of the site at that time. In Cambria's February 2007 Agency Response document, a Risk Evaluation was performed comparing October 2006 groundwater monitoring results with the SFBRWQCB's Environmental Screening Levels (February 2005). Since there are no drinking water wells within the area monitored and the general water quality of San Leandro is such that no municipal wells would be installed, drinking water standards were not applied. The results of the risk

		evaluation again demonstrated that the impacted groundwater beneath the site does not pose a threat to nearby offsite receptors; however, additional investigation is proposed, and data from that work should be used to re-evaluate potential risk to receptors.
5.4	Identified Human Exceedances	None.
5.5	Identified Ecological Exceedances	None.
6	**Additional Recommended Data or Tasks**	
6.1	Continue groundwater monitoring with the addition of VOCs analyses for at least one full hydrologic cycle.	
6.2	Perform a CPT investigation to better delineate lithology and impact to discreet coarse-grained water-bearing units both upgradient, onsite, and downgradient of the site.	
6.3	Install soil borings onsite around the UST complex to obtain source area soil data (not previously collected) to define nature and extent of residual soil impact in order to evaluate need for source area remediation.	

Known environmental documents for site:
July 31, 1990 – Letter of Second Quarter 1990 Activities (MW-1 Installation)
April 27, 1992 – Subsurface Investigation Report, Weiss
January 26, 1994 – Letter of Fourth Quarter 1993
April 18, 1995 – First Quarter 1995
May 16, 1995 – Second Quarter 1995
September 29, 1995 – Third Quarter 1995
February 12, 1996 – Fourth Quarter 1995
March 5, 1996 – Dispenser Replacement Sampling Report, Weiss
March 25, 1996 – First Quarter 1996
October 18, 1996 – Third Quarter 1996
January 15, 1997 – Fourth Quarter 1996 Monitoring Report
April 24, 1997 – First Quarter 1997 Monitoring Report
July 22, 1997 – Second Quarter 1997 Monitoring Report
September 17, 1997 – Third Quarter 1997 Monitoring Report
January 27, 1998 – Fourth Quarter 1997 Monitoring Report
April 15, 1998 – First Quarter 1998 Monitoring Report
April 24, 1998 – Potential Receptor Survey, Cambria
September 15, 1998 – Third Quarter Monitoring Report
February 24, 1999 – Fourth Quarter 1998 Monitoring Report
June 21, 1999 – First Quarter 1999 Monitoring Report
October 11, 1999 – Second Quarter 1999 Monitoring Report
October 29, 1999 – Well Installation Report, Cambria
February 2, 2000 – Third Quarter 1999 Monitoring Report
February 29, 2000 – Fourth Quarter 1999 Monitoring Report
March 29, 2000 – First Quarter 2000 Monitoring Report
August 21, 2000 – Second Quarter 2000 Monitoring Report
September 12, 2000 –Third Quarter 2000 Monitoring Report
December 19, 2000 – Fourth Quarter 2000 Monitoring Report
March 28, 2001 – First Quarter 2001 Monitoring Report

June 27, 2001 – Investigation Report and Risk-based Corrective Action Analysis, Cambria
July 9, 2001 – Second Quarter 2001 Monitoring Report
October 3, 2001 – Third Quarter 2001 Monitoring Report
February 8, 2002 – Fourth Quarter 2001 Monitoring Report
April 22, 2002 – First Quarter 2002 Monitoring report
July 1, 2002 – Second Quarter 2002 Monitoring Report
October 18, 2002 – Third Quarter 2002 Monitoring Report
January 13, 2003 – Fourth Quarter 2002 Monitoring Report
April 7, 2003 – First Quarter 2003 Monitoring Report
July 10, 2003 – Second Quarter 2003 Monitoring Report
September 5, 2003 – Third Quarter 2003 Monitoring Report
November 3, 2003 – Soil and Water Investigation Report, Work Plan, and Site Conceptual Model
January 16, 2004 – Fourth Quarter 2003 Monitoring Report
April 8, 2004 – First Quarter 2004 Monitoring Report
April 29, 2004 – Soil and Water Investigation, Monitoring Well Installation, and Irrigation Well Video Inspection Report
July 6, 2004 – Second Quarter 2004 Monitoring Report
October 20, 2004 – Third Quarter 2004 Monitoring Report
February 23, 2005 – Fourth Quarter 2004 Monitoring Report
March 23, 2005 – Dispenser Upgrade Sampling Report
April 8, 2005 – First Quarter 2005 Monitoring Report
June 24, 2005 – Second Quarter 2005 Monitoring Report
August 18, 2005 – Third Quarter 2005 Monitoring Report
December 13, 2005 – Fourth Quarter 2005 Monitoring Report
March 9, 2006 – First Quarter 2006 Monitoring Report
June 8, 2006 – Second Quarter 2006 Groundwater Monitoring Report
July 28, 2006 – Underground Storage Tank Unauthorized Release Form
September 21, 2006 – Underground Storage Tank Removal Report
September 28, 2006 - Third Quarter 2006 Monitoring Report
January 30, 2007 – Fourth Quarter 2006 Monitoring Report

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE	TOG
			←				(ppm)					→
BH-A (MW-1)	3/6/1990	9.2	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	0.0020	<100
BH-A (MW-1)	3/6/1990	19.7	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.0020	<100
BH-A (MW-1)	3/6/1990	29.7	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.0020	<100
BH-A (MW-1)	3/6/1990	39.7	<1	1.6[b]	<0.0025	<0.0025	<0.0025	0.0057	---	---	<0.0020	<100
BH-A (MW-1)	3/6/1990	51.2	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	0.0045	<100
BH-A (MW-1)	3/6/1990	61.2	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	0.0043	<100
BH-B (MW-2)	2/6/1992	27.5	1,500	1,000[a]	<0.25	<0.25	0.82	6.9	---	---	<0.002	---
BH-B (MW-2)	2/6/1992	31.5	12	---	<0.0025	<0.0025	0.0090	0.058	---	---	---	---
BH-B (MW-2)	2/6/1992	36.5	71	16[a]	<0.025	<0.025	0.056	0.21	---	---	<0.002	---
BH-B (MW-2)	2/6/1992	41.5	3,500	---	<1.25	<1.25	19	46	---	---	---	---
BH-B (MW-2)	2/6/1992	44.5	8,800	4,500[a]	<2.5	<2.5	72	170	---	---	<0.002	---
BH-B (MW-2)	2/6/1992	48.5	19	---	<0.025	<0.025	<0.025	0.092	---	---	---	---
BH-C (MW-3)	2/7/1992	31.5	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---
BH-C (MW-3)	2/7/1992	36.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002	---
BH-C (MW-3)	2/7/1992	41.5	64	---	<0.025	<0.025	<0.025	0.25	---	---	---	---
BH-C (MW-3)	2/7/1992	44.5	45	29[a]	<0.025	<0.025	<0.025	0.25	---	---	<0.002	---
BH-C (MW-3)	2/7/1992	48.5	15	---	<0.0025	<0.0025	<0.0025	0.60	---	---	---	---
BH-D	2/15/1994	25.8	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002	---
BH-D	2/15/1994	27.3	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002	---
BH-E	2/15/1994	27.0	<1	<1	0.0075	<0.0025	<0.0025	<0.0025	---	---	<0.002	---
BH-E	2/15/1994	28.8	<1	<1	0.015	<0.0025	<0.0025	<0.0025	---	---	<0.002	---
BH-F (MW-4)	02/16/94	15.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002	---
BH-F (MW-4)	02/16/94	20.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002	---
BH-F (MW-4)	02/16/94	25.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002	---
BH-F (MW-4)	02/16/94	30.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002	---
BH-F (MW-4)	02/16/94	35.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002	---
BH-F (MW-4)	02/16/94	40.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002	---
BH-F (MW-4)	02/16/94	45.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002	---

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE	TOG
			←				(ppm)					→
BH-F (MW-4)	02/16/94	50.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002	---
BH-F (MW-4)	02/16/94	55.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002	---
D-1-2.0	10/04/95	2.0	1.1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---
D-2A-2.0	10/04/95	2.0	130	---	<0.002	0.33	0.53	4.6	---	---	---	---
D-3-2.0	10/04/95	2.0	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---
D-4-2.0	10/04/95	2.0	1.1	---	<0.0025	<0.0025	<0.0025	0.0063	---	---	---	---
L-1-2.0	10/04/95	2.0	10	---	0.31	0.49	<0.0025	1.4	---	---	---	---
E-1-4ft	10/09/95	4	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---
E-2-3.5	10/09/95	3.5	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---
MW-5-5.5	05/18/99	5.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
MW-5-10.5	05/18/99	10.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
MW-5-15.5	05/18/99	15.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
MW-5-20.5	05/18/99	20.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
MW-5-25.5	05/18/99	25.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
MW-5-30.5	05/18/99	30.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	1.08	---	---	---
MW-5-35.5	05/18/99	35.5	1.91	---	0.0475	<0.00500	0.0172	0.0159	4.68	2.25	---	---
MW-5-40.5	05/18/99	40.5	10.5	---	0.0279	0.486	0.179	1.02	0.0930	---	---	---
MW-5-45.5	05/18/99	45.5	6.67	---	0.0264	0.0346	0.0298	77.0	<0.0500	---	---	---
MW-6-5.5	05/17/99	5.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
MW-6-10.5	05/17/99	10.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
MW-6-15.5	05/17/99	15.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
MW-6-20.5	05/17/99	20.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
MW-6-25.5	05/17/99	25.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
MW-6-30.5	05/17/99	30.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
MW-6-35.5	05/17/99	35.5	273	---	1.12	1.31	3.10	14.2	2.58	1.31	---	---
MW-6-40.5	05/17/99	40.5	96.1	---	0.665	1.07	1.25	5.51	1.31	---	---	---
MW-6-45.5	05/17/99	45.5	1.83	---	0.0151	0.0173	0.0141	0.0875	1.47	---	---	---
MW-7-5.5	05/17/99	5.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE	TOG
			←				(ppm)					→
MW-7-10.5	05/17/99	10.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
MW-7-15.5	05/17/99	15.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
MW-7-20.5	05/17/99	20.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
MW-7-25.5	05/17/99	25.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
MW-7-30.5	05/17/99	30.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
MW-7-35.5	05/17/99	35.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
MW-7-40.5	05/17/99	40.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
MW-7-45.5	05/17/99	45.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
MW-8-5.5	05/19/99	5.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---	---
MW-8-10.5	05/19/99	10.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---	---
MW-8-15.5	05/19/99	15.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---	---
MW-8-20.5	05/19/99	20.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---	---
MW-8-25.5	05/19/99	25.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---	---
MW-8-30.5	05/19/99	30.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---	---
MW-8-35.5	05/19/99	35.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---	---
MW-8-40.5	05/19/99	40.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	0.212	0.210	---	---
MW-8-45.5	05/19/99	45.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	0.0532	---	---	---
B-1-6.5	06/26/00	6.5	5.33	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
B-1-11.0	06/26/00	11.0	<1.00	---	<0.00500	<0.00500	<0.00500	0.00820	<0.0500	---	---	---
B-1-17.5	06/26/00	17.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
B-1-20.5	06/26/00	20.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
B-1-25.0	06/26/00	25.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
B-1-30.0	06/26/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
B-1-35.5	06/26/00	35.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---	---
B-2-6.0	06/26/00	6.0	<1.00	---	<0.00500	<0.00500	<0.00500	0.00960	<0.00500	---	---	---
B-2-11.0	06/26/00	11.0	<1.00	---	<0.00500	<0.00500	<0.00500	0.00970	<0.00500	---	---	---
B-2-15.0	06/26/00	15.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
B-2-21.0	06/26/00	21.0	<1.00	---	<0.00500	<0.00500	<0.00500	0.00890	<0.00500	---	---	---
B-2-25.5	06/26/00	25.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
B-2-30.0	06/26/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE	TOG
			←				(ppm)					→
B-3-5.0	06/27/00	5.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
B-3-11.0	06/27/00	11.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
B-3-15.0	06/27/00	15.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
B-3-21.0	06/27/00	21.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
B-3-25.0	06/27/00	25.0	<1.00	---	<0.00500	0.00730	<0.00500	<0.00500	<0.00500	---	---	---
B-3-30.0	06/27/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
B-3-34.5	06/27/00	34.5	3.03	---	0.0520	0.0228	0.0523	0.0333	0.436	0.120	---	---
B-4-7.0	06/27/00	7.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
B-4-11.0	06/27/00	11.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
B-4-15.0	06/27/00	15.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
B-4-20.0	06/27/00	20.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
B-4-25.0	06/27/00	25.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
B-4-30.0	06/27/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
B-4-35.0	06/27/00	35.0	<1.00	---	0.0422	<0.00500	0.0152	<0.00500	0.162	0.243	---	---
B-5-7.0	06/27/00	7.0	<1.00	---	<0.00500	0.00750	<0.00500	<0.00500	<0.00500	---	---	---
B-5-10.5	06/27/00	10.5	21.5	---	<0.00500	0.430	<0.00500	<0.00500	<0.00500	---	---	---
B-5-15.0	06/27/00	15.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
B-5-21.0	06/27/00	21.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
B-5-25.0	06/27/00	25.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
B-5-30.0	06/27/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
B-5-34.5	06/27/00	34.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	0.135	0.0425	---	---
B-5-38.5	06/27/00	38.5	2.82	---	0.0398	0.0142	0.0744	0.299	0.251	0.0536	---	---
B-6-6.5	06/27/00	6.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
B-6-10.5	06/27/00	10.5	3.92	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
B-6-16.5	06/27/00	16.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
B-6-20.5	06/27/00	20.5	<1.00	---	<0.00500	0.00950	<0.00500	0.00700	<0.00500	---	---	---
B-6-25.0	06/27/00	25.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
B-6-30.0	06/27/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
B-6-35.5	06/27/00	35.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---	---
SB-1-31'	08/04/03	31	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE	TOG
			← (ppm) →									
SB-1-33'	08/04/03	33	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-1-35'	08/04/03	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-1-40'	08/04/03	40	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-1-45'	08/04/03	45	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-1-47.5'	08/04/03	47.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-2-25'	08/05/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-2-30'	08/05/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-2-32'	08/05/03	32	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-2-35'	08/05/03	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-2-37'	08/05/03	37	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-2-40'	08/05/03	40	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-2-45'	08/05/03	45	<1.0	---	<0.0050	0.012	<0.0050	0.023	---	0.088	---	---
SB-2-50'	08/05/03	50	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	0.050	---	---
SB-3-25'	08/05/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-3-30'	08/05/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-3-35'	08/05/03	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-3-37'	08/05/03	37	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-3-40'	08/05/03	40	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-3-45'	08/05/03	45	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-3-50'	08/05/03	50	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-4-25'	08/05/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-4-30'	08/05/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-5[(c)]	08/05/03	---	---	---	---	---	---	---	---	---	---	---
SB-6-15'	08/07/03	15	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-6-20'	08/07/03	20	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-6-25'	08/07/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-6-30'	08/07/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-6-35'	08/07/03	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	0.0087	---	---
SB-6-37'	08/07/03	37	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-6-40'	08/07/03	40	5.5	---	<0.0050	<0.0050	0.022	<0.0050	---	0.036	---	---
SB-6-45'	08/07/03	45	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	0.0063	---	---

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE	TOG
			←				(ppm)					→
SB-6-50'	08/07/03	50	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-7-10'	08/07/03	10	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-7-15'	08/07/03	15	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-7-20'	08/07/03	20	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-7-25'	08/07/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-7-30'	08/07/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	0.065	---	---
SB-7-35'	08/07/03	35	2.2	---	0.0076	<0.0050	0.014	0.017	---	0.25	---	---
SB-7-51.5'	08/07/03	51.5	<1.0	---	<0.0050	<0.0050	<0.0050	0.016	---	<0.0050	---	---
SB-8[(c)]	08/05/03	---	---	---	---	---	---	---	---	---	---	---
SB-9-30'	02/12/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-9-35'	02/12/04	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-10-25'	02/12/04	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-10-30'	02/12/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-10-35'	02/12/04	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-11-25'	02/11/04	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-11-30'	02/11/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-11-35'	02/11/04	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-12-25'	02/13/04	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
SB-12-30'	02/13/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
MW-9-10'	02/11/04	10	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
MW-9-15'	02/11/04	15	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
MW-9-20'	02/11/04	20	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
MW-9-25'	02/11/04	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	0.071	---	---
MW-9-30'	02/11/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	0.093	---	---
MW-9-35'	02/11/04	35	820	---	1.0	2.3	12	84	---	1.0	---	---
MW-9-45'	02/11/04	45	<1.0	---	<0.0050	<0.0050	0.0081	0.042	---	<0.0050	---	---
MW-9-49.5	02/11/04	19.5	<1.0	---	<0.0050	0.0061	0.0093	0.049	---	<0.0050	---	---
MW-10-30'	02/10/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
MW-10-35'	02/10/04	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE	TOG
			←				(ppm)					→
MW-10-39.5'	02/10/04	39.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	0.017	---	---
MW-11-30'	02/10/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
MW-11-35'	02/10/04	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
MW-11-40'	02/10/04	40	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
MW-11-44.5'	02/10/04	44.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
MW-12-30'	02/12/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
MW-12-35'	02/12/04	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
MW-12-39.5	02/12/04	39.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
MW-12-44.5	02/12/04	44.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
D-1-4.0	1/31/2005	4.0	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
D-2-4.5	1/31/2005	4.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
D-3-4.5	1/31/2005	4.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---
D-4-4.0	1/31/2005	4.0	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	0.0088	---	---

Abbreviations:

TPHg = Total petroleum hydrocarbons as gasoline. Prior to August 7, 2003, samples analyzed by modified EPA Method 8015; subsequently analyzed by EPA Method 8260B.

TPHd = Total petroleum hydrocarbons as diesel analyzed by modified EPA Method 8015

Benzene, toluene, ethylbenzene, and xylene analyzed by EPA Method 8020 prior to 2003; subsequently analyzed by EPA Method 8260B.

MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8020 or EPA Method 8260B.

PCE = Tetrachloroethene analyzed by EPA Method 8010.

TOG = Total oil and grease analyzed by APHA Standard Methods 503D&E

fbg = Feet below grade.

ppm = Parts per million (milligrams per kilogram).

<x = Below laboratory detection limit of x .

--- = Not analyzed.

Notes:

[a] = Laboratory reported that the detected compound is a hydrocarbon lighter than diesel.

[b] = no total petroleum hydrocarbons as motor oil detected at modified EPA method 8015 detection limit of 10 ppm

[c] = boring attempted however not feasible due to subsurface or overhead obstruction

Table 2. Historical Groundwater Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (feet)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TBA (ppb)	DIPE	ETBE	TAME	1,2 DCA	EDB	Ethanol	TOG	PCE
MW-1	03/13/90	42.65	510	130	<0.5	1.1	1.5	8.7	---	---	---	---	---	---	---	---	<10,000	35
MW-2	02/24/92	41.94	1.0	0.26 a	0.0043	0.0011	0.012	0.023	---	---	---	---	---	---	---	---	---	0.013
MW-3	02/24/92	42.55	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	---	---	---	---	---	---	---	---	---	0.011

B-1-W	06/26/00	---	<50		<0.050	<0.050	<0.050	<0.050	<2.50	---	---	---	---	---	---	---	---	---
B-2-W	06/26/00	---	<50		<0.050	<0.050	<0.050	<0.050	<2.50	---	---	---	---	---	---	---	---	---
SB-1-W	08/04/03	37.7	<50		<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50	---	---
SB-2-W	08/05/03	38	<5,000		<50	<50	<50	<100	2,000	<500	<200	<200	<200	<50	<50	<5,000	---	---
SB-3-W	08/05/03	37	63		<0.50	<0.50	<0.50	3.6	3.5	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50	---	---
SB-4-W	08/05/03	37	<50		<0.50	<0.50	<0.50	1.7	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50	---	---
SB-6-W	08/07/03	37	3,800		5.1	<0.50	12	2.1	58	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50	---	---
SB-7-W	08/07/03	38	1,200,000		7,800	38,000	20,000	130,000	6,000	<10,000	<4,000	<4,000	<4,000	<1,000	<1,000	<1,000,000	---	---
SB-9-W	02/12/04	---	<50		<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---	---	---	---	---	---
SB-10-W	02/12/04	---	1,100		<2.5	<2.5	<2.5	<5.0	<2.5	---	---	---	---	---	---	---	---	---
SB-11-W	02/12/04	---	2,600		9.1	<5.0	<5.0	<10	76	---	---	---	---	---	---	---	---	---

Abbreviations and Notes:

ppb = Parts per billion

TPHg = Total petroleum hydrocarbons as gasoline, analyzed by EPA Method 8260B.

TPHd = Total petroleum hydrocarbons as diesel, analyzed by EPA Method 8260B.

BTEX = Benzene, toluene, ethylbenzene, and xylene analyzed by EPA Method 8260B.

MTBE = Methyl tertiary-butyl ether, analyzed by EPA Method 8260B.

TBA = tertiary-butyl-alcohol, analyzed by EPA Method 8260B.

DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B.

ETBE = Ethyl tertiary-butyl ether, analyzed by EPA Method 8260B.

TAME = tertiary-amyl methyl ether, analyzed by EPA Method 8260B.

1,2 DCA = 1,2 - Dichloroethane analyzed by EPA Method 8260B.

EDB = Ethylene di-brohmide analyzed by EPA Method 8260B.

TOG = Total oil and grease analyzed by APHA Standard Methods 503A&E

PCE = Tetrachloroethene analyzed by EPA Method 601.

a = results due to hydrocarbon compound lighter than diesel

--- = Not analyzed

Table 3. Well Survey - Shell Service Station - WIC# 204-6852-0703, 1285 Bancroft, San Leandro, California

Well ID	Notes	Installation Date	Owner	Use	Depth (feet)
2S/3W-25M2	1	March-90	Shell Oil Company	MON	60
2S/3W-25B3	2	February-91	Brad Jones	DOM	145
2S/3W-25K4	2	March-91	M. Sturbeuant & T. McCormick	MON	30
2S/3W-25B1	2	May-77	Arthur Lund	IRR	72
2S/3W-25D1	2	August-77	Bob Eversole	IRR	55
2S/3W-25D6	2	May-88	Chevron	MON	50
2S/3W-25D7	2	May-88	Chevron	MON	50
2S/3W-25D8	3	September-88	Unocal	MON	48
2S/3W-25E2	2	September-77	J. A. Thompson	IRR	60
2S/3W-25G1	2	UNK	EBMUD	CAT	61
2S/3W-25G2	2	June-81	EBMUD	CAT	65
2S/3W-25H1	2	April-46	Charles Davis	DOM	78
2S/3W-25K1	2	September-33	A.W.Scalasy	DOM	93
2S/3W-25K2	2	1949	A. Young	IRR	102
2S/3W-25K3	2	January-47	Funucchi	DOM	76
2S/3W-25L1	2	September-37	Charles Hale	DOM	88
2S/3W-25L5	2	September-77	Emil Sereda	IRR	82
2S/3W-25L6	2	September-77	James Meyer	IRR	83
2S/3W-25M1	2	August-41	City of San Leandro	IRR	93
2S/3W-25N1	2	June-77	Tony Yalek	IRR	57
2S/3W-25N3	2	September-88	Luke & Olive Deasy	IRR	65
2S/3W-25P1	2	April-77	George Bradley Land	IRR	51
2S/3W-25P2	2	UNK	Alan Quadros	DOM	UNK
2S/3W-25Q1	2	1949	Sal Tulions	IRR	81
2S/3W-25Q2	2	September-77	Edmond Saustina	IRR	83
2S/3W-26G3	2	UNK	Dennis Omick	IRR	UNK
2S/3W-26H2	2	April-77	Dennis Omick	IRR	54
2S/3W-26H3	2	July-77	Tom Saedden	IRR	57
2S/3W-26H4	2	August-77	Dacis Hemricksen	IRR	60
2S/3W-26H5	2	UNK	UNK	IRR	54
2S/3W-26H6	2	June-77	Stuart Work	IRR	60
2S/3W-26J1	2	1949	Mr. Lopez	IND	130
2S/3W-36C1	2	1957	M. J. Crosby	IRR	62
2S/3W-36C2	2	UNK	Fran P. Tabler	IRR	58
2S/3W-36C3	2	UNK	Donald Walter	UNK	UNK
2S/3W-36C4	2	UNK	Steve Campouris	UNK	UNK
3S/1W-7F1	2	November-55	N. Bufardeci	TES	112

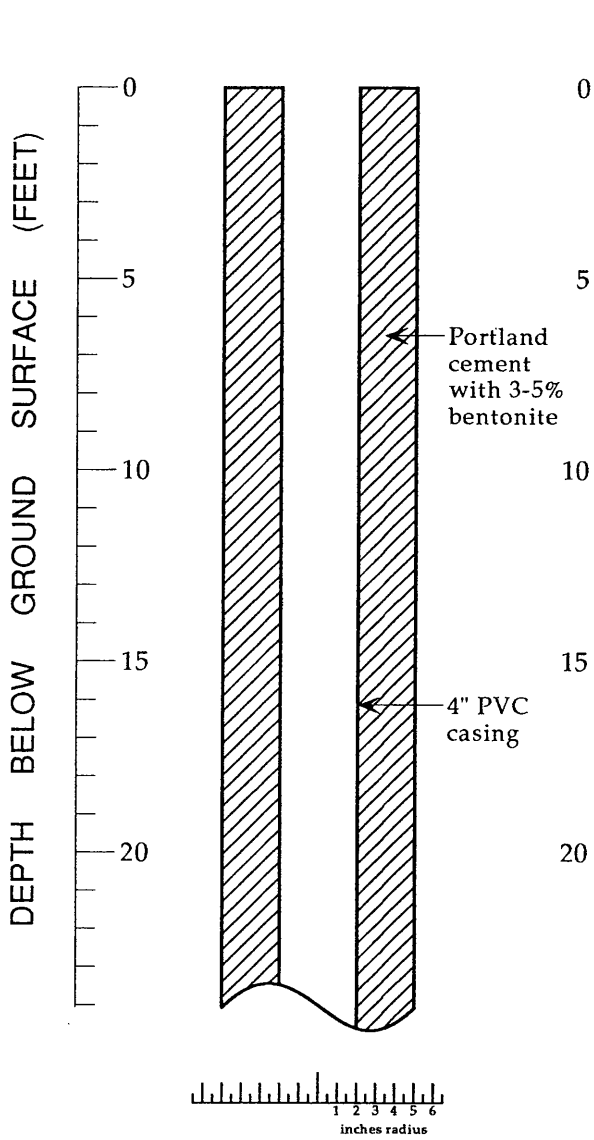
Table 3. Well Survey - Shell Service Station - WIC# 204-6852-0703, 1285 Bancroft, San Leandro, California

Well ID	Notes	Installation Date	Owner	Use	Depth (feet)
3S/1W-7F2	2	November-55	N. Bufardeci	TES	65
3S/1W-18B1	2	July-54	N. Bufardeci	DOM	260
4S/2W-1G2	2	October-50	W. Becker	IRR	571
2S/3W-25D9	3	UNK	Unocal	UNK	UNK
2S/3W-25D10	3	UNK	Unocal	UNK	UNK
2S/3W-25M3	1	February-92	Shell Oil Company	MON	60
2S/3W-25M4	1	February-92	Shell Oil Company	MON	59
2S/3W-26H8	2	December-91	Pacific Gas and Electric	OTH	117

Abbreviations:
MON = Monitoring well
DOM = Domestic well
IRR = Irrigation well
IND = Industrial well
CAT = Cathodic protection well
TES = Test well or test boring
UNK = Unknown
OTH = Other

Notes:
1 = Not shown on Figure 1, well located on subject site
2 = Wells labelled on Figure 1 by letter and numbers after hyphen in Well ID
3 = Not shown on Figure 1, well located outside of study area

WELL MW-1 (BH-A)



EXPLANATION

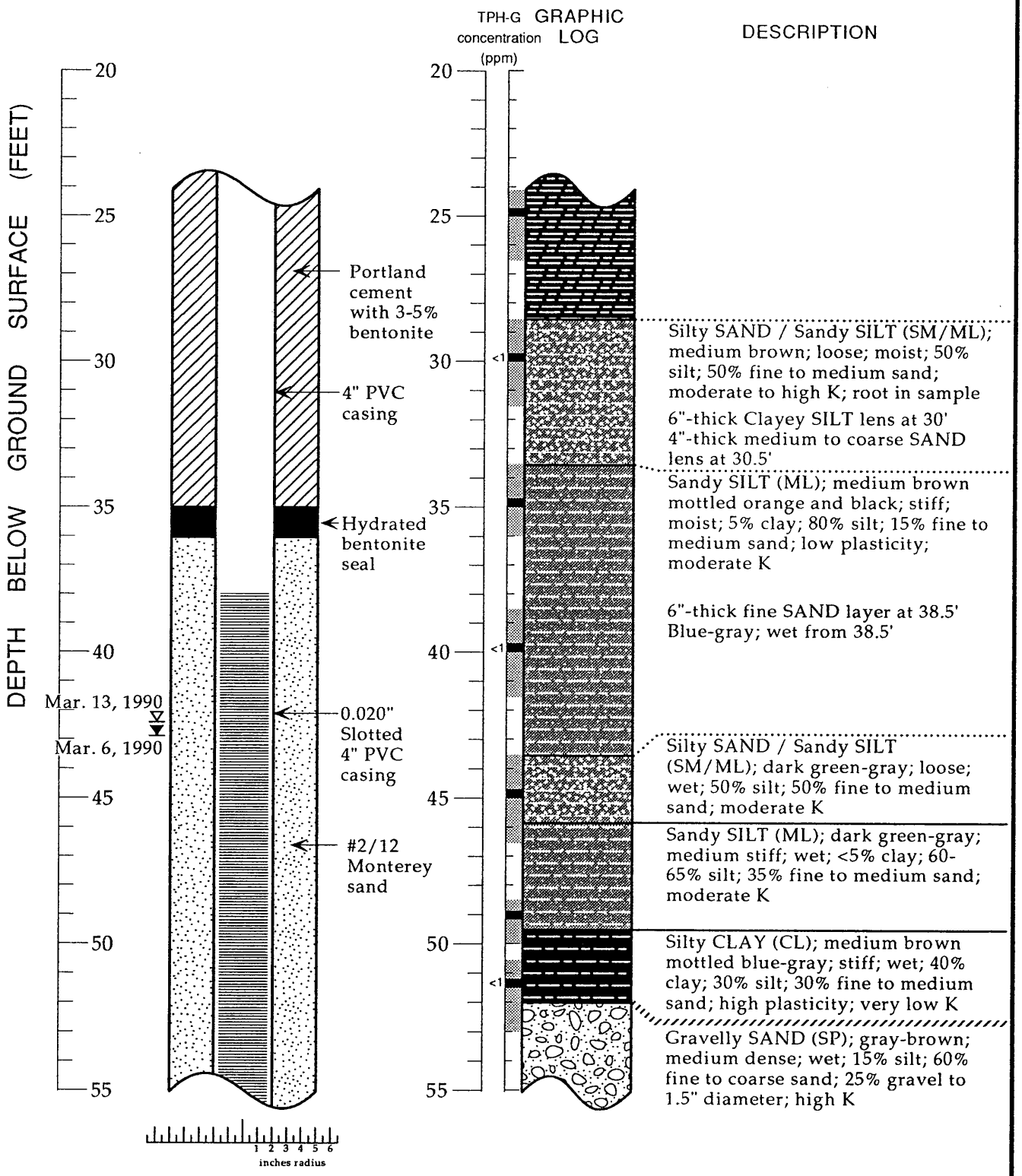
- ▼ Water level during drilling (date)
- ▽ Water level (date)
- ——····· Contact (dotted where approximate)
- —?—?— Uncertain contact
- ////////// Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Karin Sixt
Supervisor: Richard B. Weiss; CEG 1112
Drilling Company: HEW Drilling, East Palo Alto, CA
License Number: C57-384167
Driller: Casto Pineda
Drilling Method: Hollow-stem auger
Date Drilled: March 6, 1990
Well Head Completion: 4" locking well-plug, traffic-rated vault
Type of Sampler: Split barrel (1.5", 2" ID)
Ground Surface Elevation: 66.60 feet above mean sea level
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Boring Log and Well Construction Details - Well MW-1 (BH-A) - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

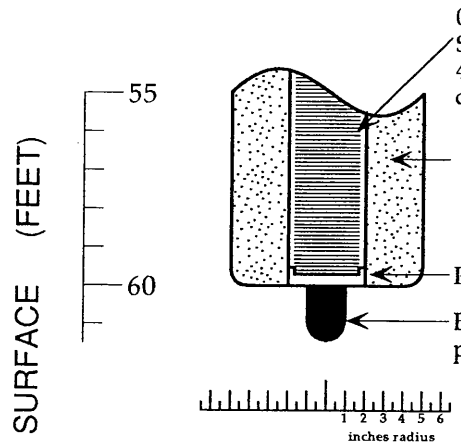
3/5/92

WELL MW-1 (BH-A) (cont.)



Boring Log and Well Construction Details - Well MW-1 (BH-A) - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

WELL MW-1 (BH-A) (cont.)



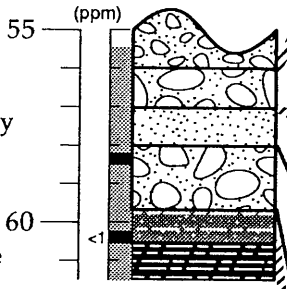
DEPTH BELOW GROUND SURFACE (FEET)

55

60

TPH-G concentration (ppm)

GRAPHIC LOG



DESCRIPTION

Sandy GRAVEL (GP); gray-brown; medium dense to dense; wet; 10% silt; 40% fine to coarse sand; 50% gravel to 1.5" diameter; high K

SAND (SP); gray-brown; loose; wet; 10% silt; 85% fine to medium sand; 5% coarse sand; high K

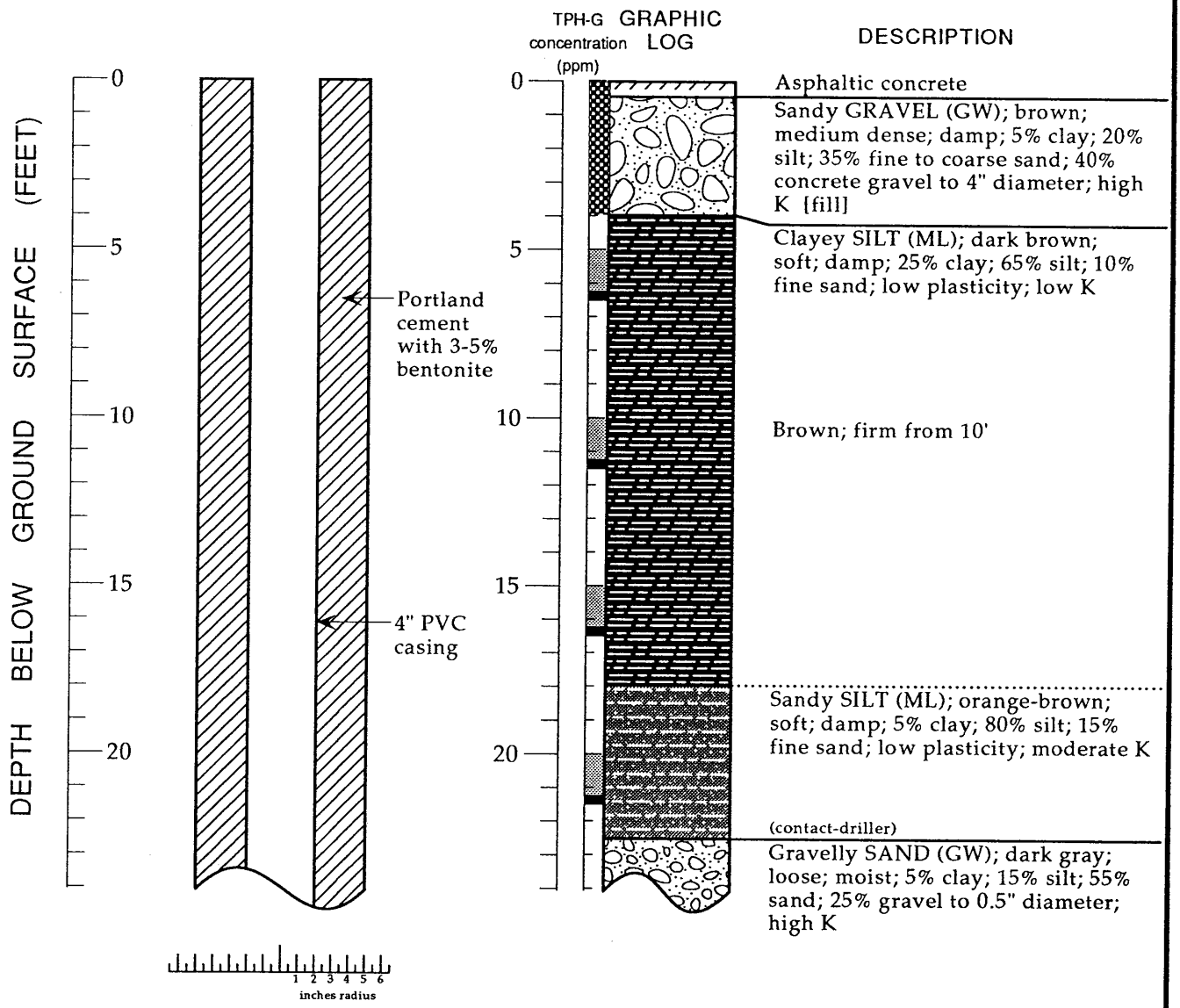
Sandy GRAVEL (GP); gray-brown; medium dense to dense; wet; 10% silt; 40% sand; 50% gravel to 1.5" diameter; high K
6"-thick SAND lens at 58.5'

Sandy SILT(ML); light brown; soft; wet; 5% clay; 65% silt; 30% fine to coarse sand; low plasticity; low to moderate K

Clayey SILT (ML); orange-brown; stiff; wet; 20% clay; 65% silt; 15% fine to medium sand; medium plasticity; very low K

Boring Log and Well Construction Details - Well MW-1 (BH-A) - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

WELL MW-2 (BH-B)



EXPLANATION

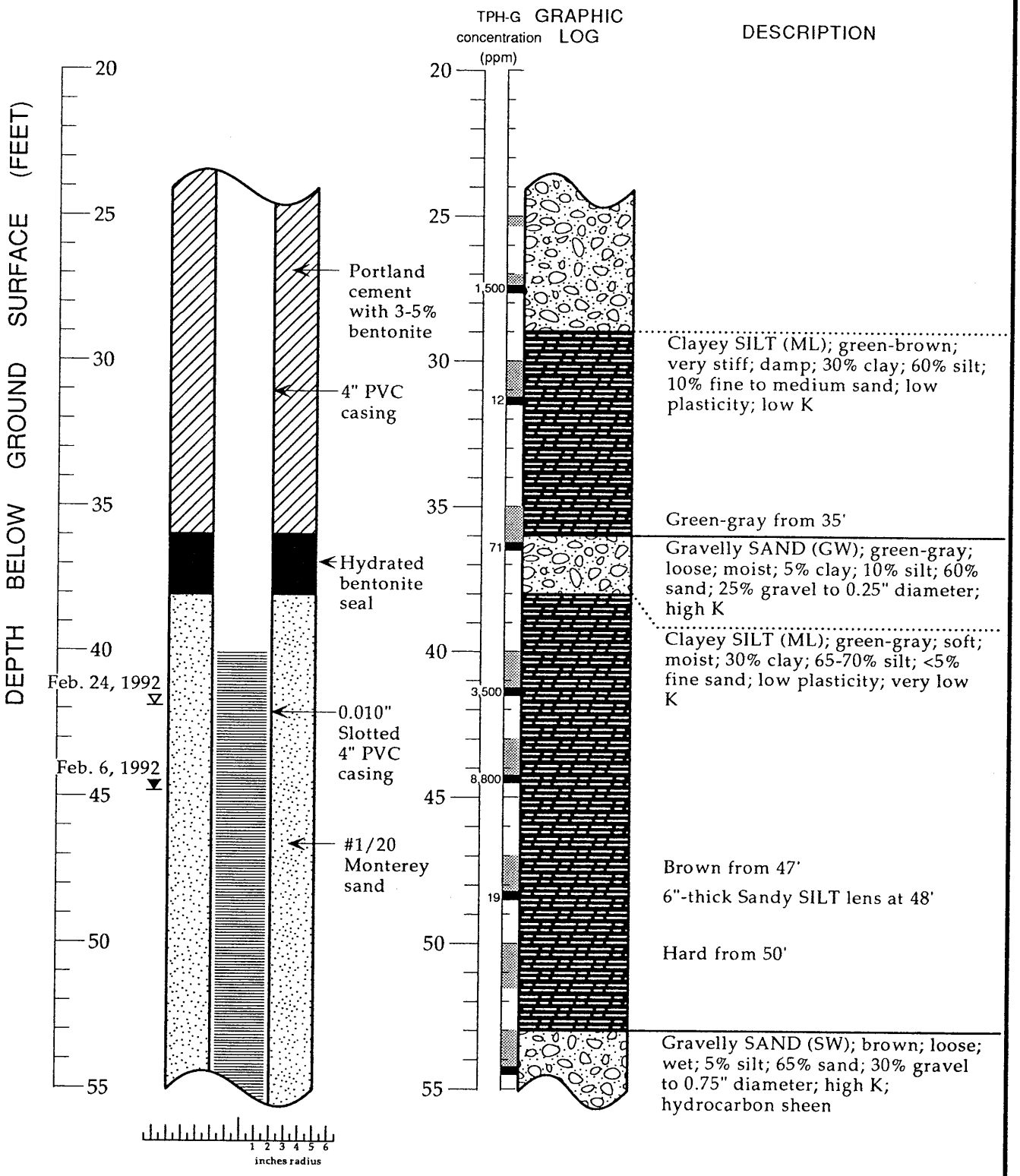
- ▼ Water level during drilling (date)
- ▽ Water level (date)
- ——····—— Contact (dotted where approximate)
- —?—?— Uncertain contact
- ////////// Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Tom Fojut
Supervisor: Joseph P. Theisen; CEG 1645
Drilling Company: Soils Exploration Services, Benicia, CA
License Number: C57-582696
Driller: Courtney Mossman
Drilling Method: Hollow-stem auger
Date Drilled: February 6, 1992
Well Head Completion: 4" locking well-plug, traffic-rated vault
Type of Sampler: Split barrel (2" ID)
Ground Surface Elevation: 67.37 feet above mean sea level
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Boring Log and Well Construction Details - Well MW-2 (BH-B) - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

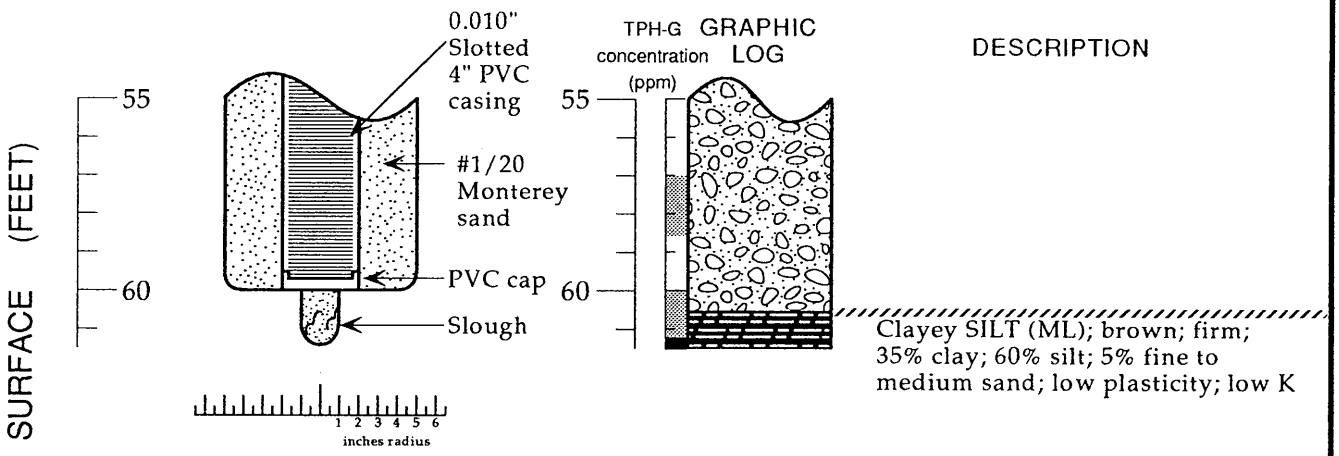
2/29/92

WELL MW-2 (BH-B) (cont.)



Boring Log and Well Construction Details - Well MW-2 (BH-B) - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

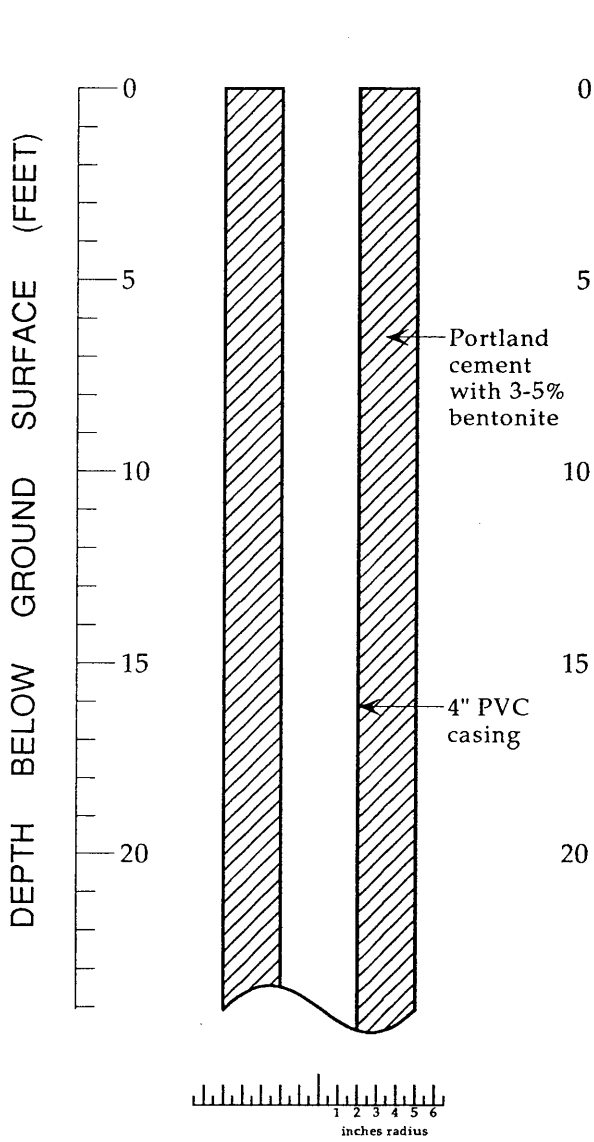
WELL MW-2 (BH-B) (cont.)



Boring Log and Well Construction Details - Well MW-2 (BH-B) - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

4/10/92

WELL MW-3 (BH-C)



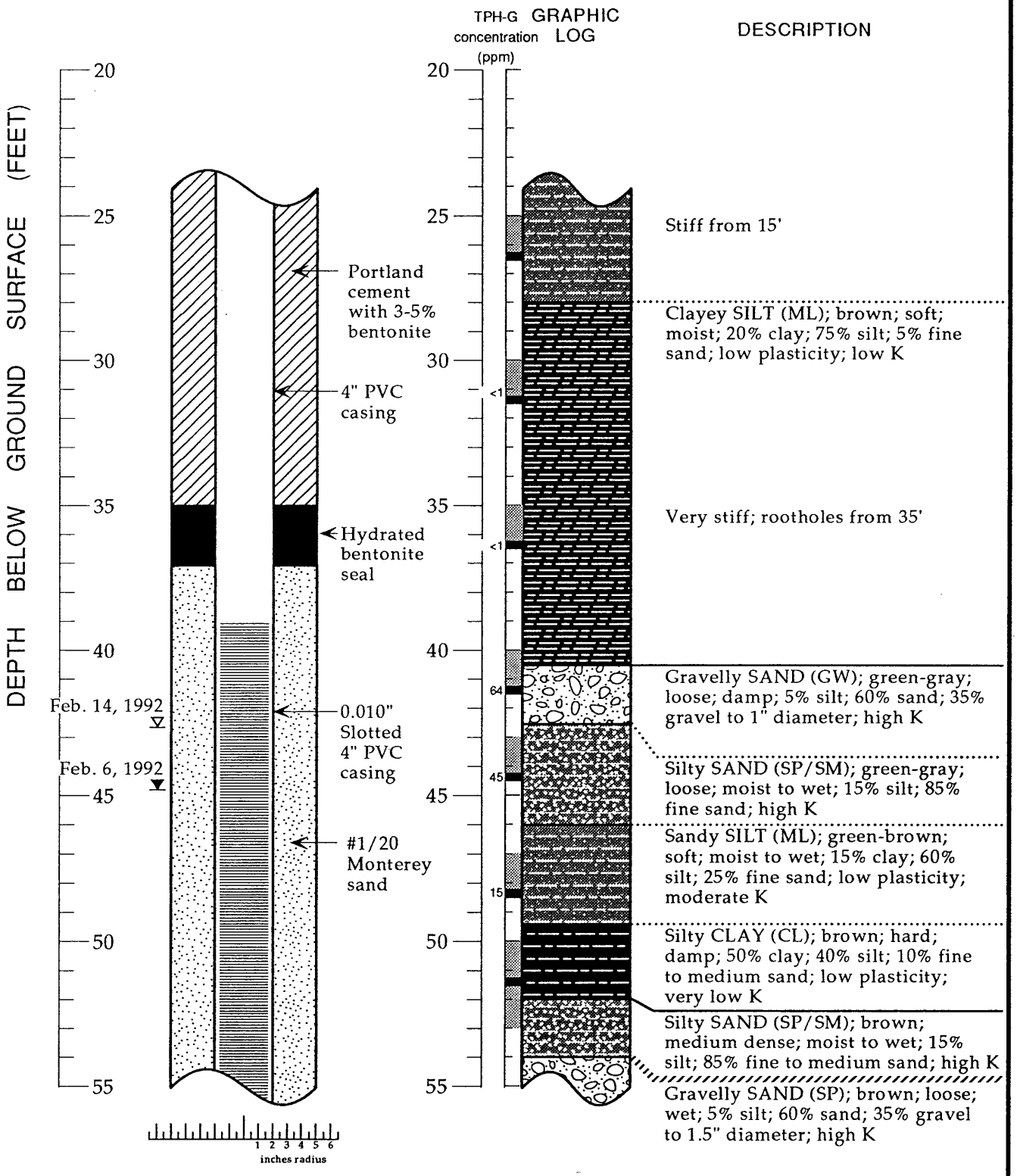
EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Tom Fojut
Supervisor: Joseph P. Theisen; CEG 1645
Drilling Company: Soils Exploration Services, Benicia, CA
License Number: C57-582696
Driller: Courtney Mossman
Drilling Method: Hollow-stem auger
Date Drilled: February 7, 1992
Well Head Completion: 4" locking well-plug, traffic-rated vault
Type of Sampler: Split barrel (1.5", 2" ID)
Ground Surface Elevation: 66.31 feet above mean sea level
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

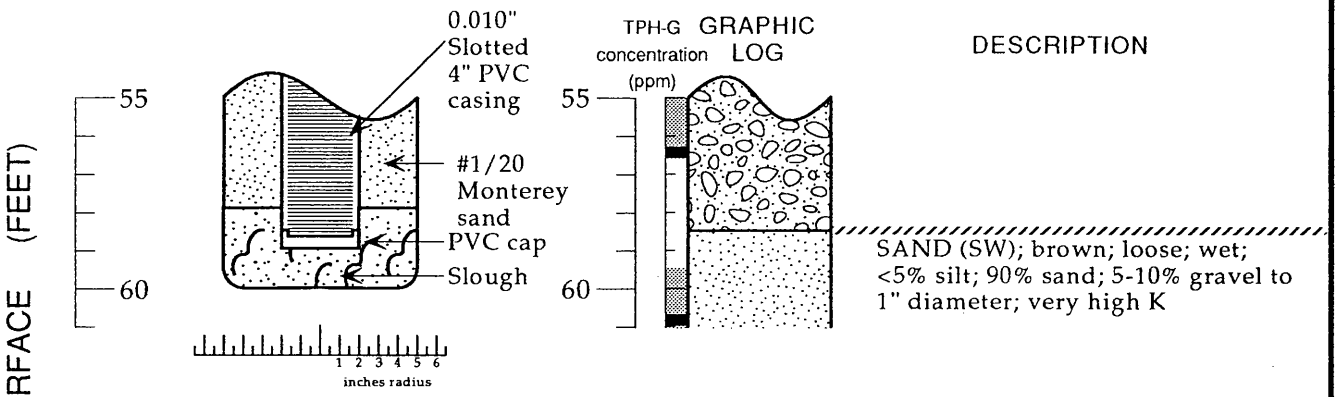
Boring Log and Well Construction Details - Well MW-3 (BH-C) - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

WELL MW-3 (BH-C) (cont.)



Boring Log and Well Construction Details - Well MW-3 (BH-C) - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

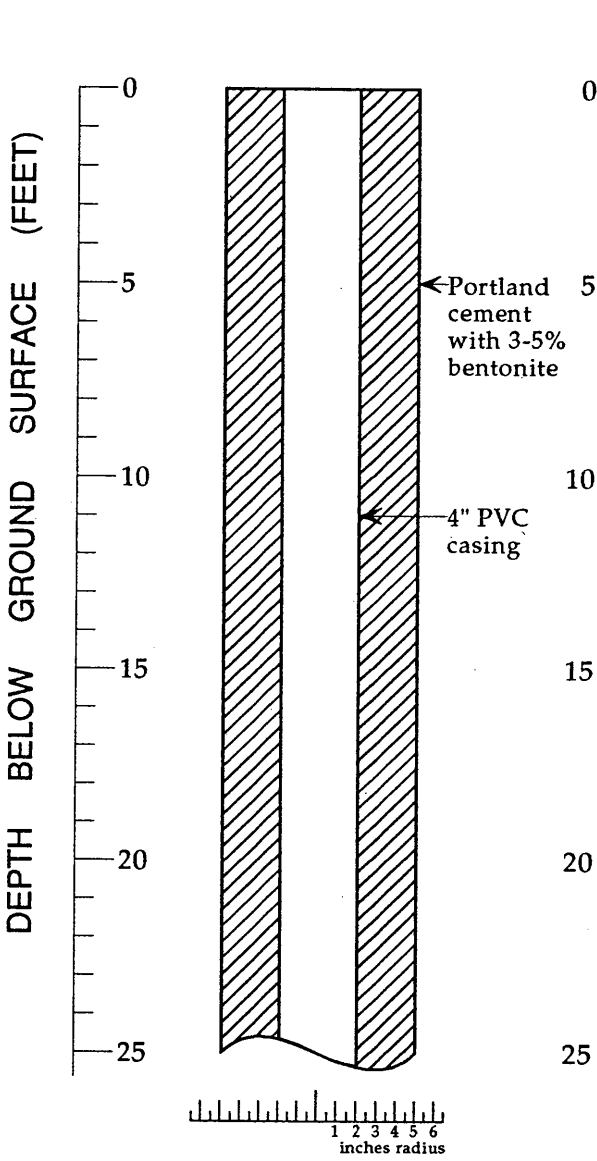
WELL MW-3 (BH-C) (cont.)

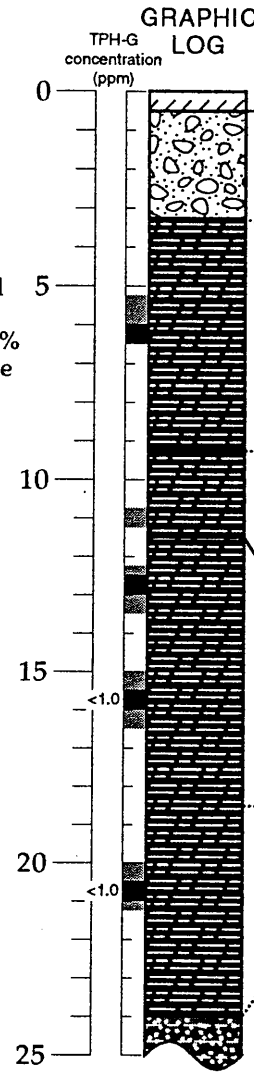


DEPTH BELOW GROUND SURFACE (FEET)

Boring Log and Well Construction Details - Well MW-3 (BH-C) - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

WELL MW-4 (BH-F)





DESCRIPTION

Asphalt

Gravelly SAND (SP); brown-yellow; loose; damp; 10% silt; 65% medium to coarse sand; 25% concrete rubble clasts to 0.5" diameter; high K; [fill]

Clayey SILT (ML); brown; soft; damp; 15% clay; 80% silt; 5% very fine to fine sand; low to medium plasticity; low K

Clayey SILT (ML); light brown; medium stiff; moist; 30% clay; 73% silt; 5% very fine to fine sand; 2% subangular coarse gravel to 2" diameter; medium plasticity; low K

Clayey SILT (ML); brown; medium stiff; damp; 15% clay; 75% silt; 10% very fine to fine sand; low plasticity; low K

contact - driller

light brown; stiff; 20% clay; 65% silt; 5% very fine sand; 10% subrounded gravel to 3" diameter

contact - driller

Silty SAND (ML); yellow-brown; loose; damp; 5% clay; 30% silt; 65% very fine to medium sand; moderate K

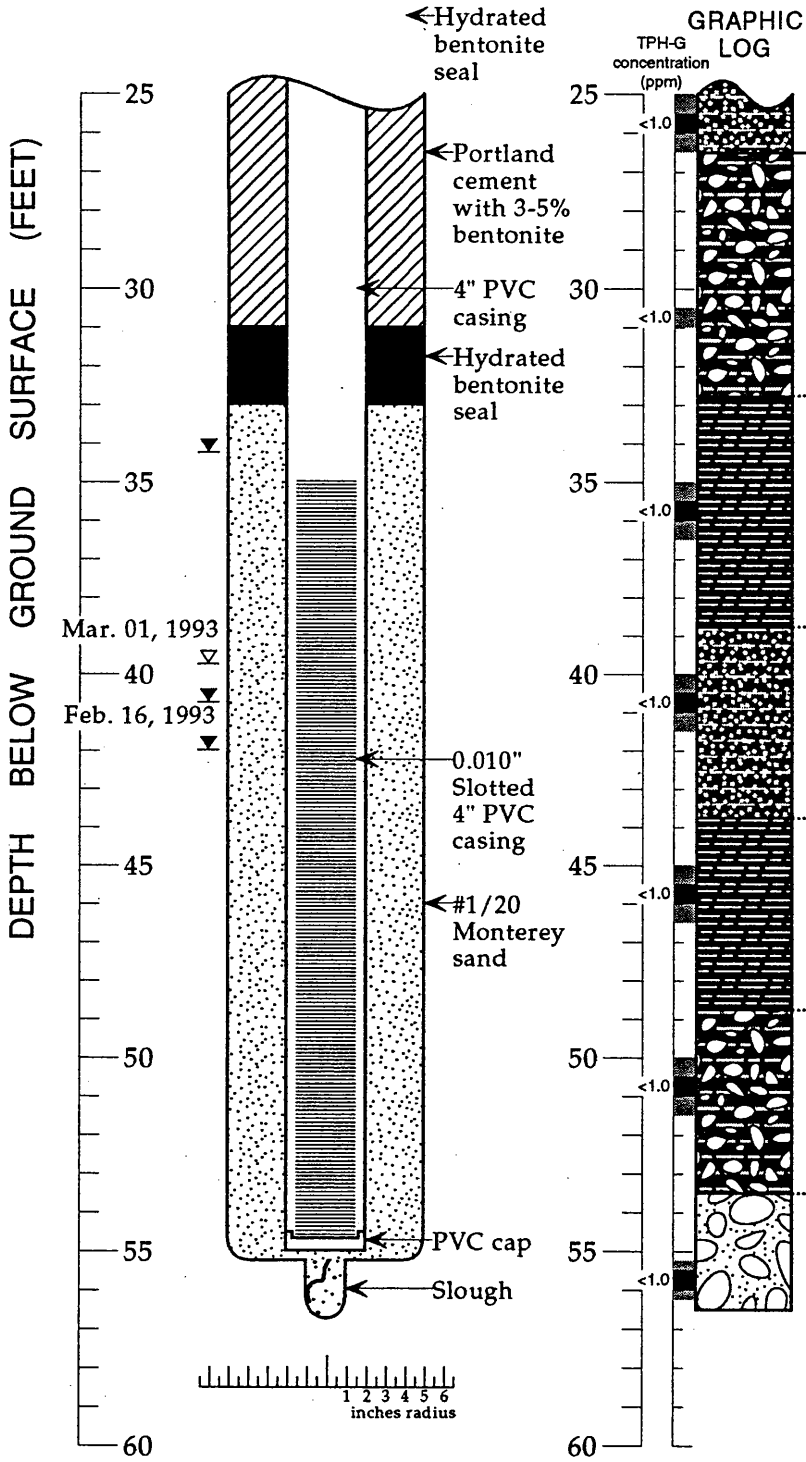
EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Kurt Brücker
Supervisor: James W. Carmody; CEG 1576
Drilling Company: Soils Exploration Services, Vacaville, CA
License Number: Lic. #C57-582696
Driller: Michael Duffy
Drilling Method: Hollow-stem auger
Date Drilled: February 16, 1994
Well Head Completion: 4" locking well-plug, traffic-rated vault
Type of Sampler: Split barrel (2.0" ID)
Ground Surface Elevation: 68.8 feet above mean sea level
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Boring Log and Well Construction Details - Well MW-4 (BH-F) - Shell Service Station, WIC# 204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

WELL MW-4 (BH-F) (cont.)



DESCRIPTION

Gravelly SILT (ML); yellow-brown; medium stiff to stiff; damp; 10% clay; 45% silt; 20% fine to medium sand; 25% rounded to subrounded gravel to 0.25" diameter; low plasticity; low to moderate K

Clayey SILT (ML); light brown mottled brown; medium stiff to stiff; damp; 20% clay; 65% silt; 10% very fine sand; 5% gravel to 0.25" diameter; low plasticity; low K

Silty SAND (SM); light brown-gray; loose; damp to moist; 20% silt; 65% fine to medium sand; 15% subrounded gravel to 0.25" diameter; moderate to high K

Clayey SILT (ML); light brown; soft; moist to wet; 35% clay; 60% silt; 5% very fine sand; high plasticity; low K

Gravelly SILT (ML); light brown; stiff; moist; 5% clay; 60% silt; 10% fine to medium sand; 25% rounded to subrounded gravel to 1" diameter; low plasticity; moderate K

Sandy GRAVEL (GP); brown-gray; loose; moist; 5% silt; 30% fine to coarse sand; 65% fine to coarse gravel to 1.5" diameter; high to very high K

Boring Log and Well Construction Details - Well MW-4 (BH-F) - Shell Service Station, WIC# 204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

Cambria Environmental Technology, Inc.
1144 - 65th St.
Oakland, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	MW-5
JOB/SITE NAME	snl1285	**DRILLING STARTED**	18-May-99
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	18-May-99
PROJECT NUMBER	241-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	6"/10"	**SCREENED INTERVAL**	25 to 50 ft bgs
LOGGED BY	J. Riggi	**DEPTH TO WATER (First Encountered)**	33.0 ft (18-May-99)
REVIEWED BY	A. Le May, RG	**DEPTH TO WATER (Static)**	33.30ft (18-May-99)
REMARKS	Hand augered to 5' bgs; located 9' SW of SW UST slab corner.		

TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
				0		**Silty Sandy GRAVEL**; (FILL); dry; 10% clay, 15% silt, 35% sand, 40% gravel; no plasticity; high estimated permeability.	2.0
						Clayey SILT; (ML); brown; stiff; damp; 30% clay, 60% silt, 10% fine grained sand; low plasticity; low estimated permeability.	
<1.0	10 10 3	100%	MW-5 -5'	5			
<1.0	5 5 13	100%	MW-5 -10'	10	ML	@ 10' - very stiff.	
<1.0	10 16 20	100%	MW-5 -15'	15		@ 15' - hard.	
<1.0	9 11 16	100%	MW-5 -20'	20		@ 15' - very stiff.	
							22.5
						Sandy Clayey SILT; (ML); brown; stiff; damp; 30% clay, 45% silt, 25% fine grained sand; low plasticity; low estimated permeability.	
<1.0	5 5 8	100%	MW-5 -25'	25	ML		
							27.5
						Clayey SAND; (SC); brown; medium dense; damp; 30% clay, 10% silt, 60% fine grained sand; low plasticity; low estimated permeability.	
<1.0	4 5 7	100%	MW-5 -30'	30	SC		
				35			

WELL DIAGRAM: Portland Type I/II; 4" diam., Schedule 40 PVC; Bentonite Seal; Monterey Sand #3

WELL LOG (TPH-G) G:\SNL1285\GINT\SNL1285.GPJ DEFAULT.GDT 7/27/99

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	MW-5
JOB/SITE NAME	snl1285	**DRILLING STARTED**	18-May-99
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	18-May-99

Continued from Previous Page

TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
1.91	15 21 15	100%	MW-5 -35'					@ 35' - dense; wet.		
									37.5	4"-diam., 0.010" Slotted Schedule 40 PVC
								Sandy GRAVEL; (GW); grey to black; medium dense; wet; 10% silt, 30% sand, 60% fine to coarse grained gravel; no plasticity; high estimated permeability.		
10.5	6 8 11	100%	MW-5 -40'		40	GW				
									42.5	
								Silty Gravelly Clayey SAND; (SC); brown; very dense; wet; 25% clay, 15% silt, 45% fine grained sand, 15% gravel; low plasticity; low estimated permeability.		
6.67	19 28 45	100%	MW-5 -45'		45	SC				
					50				50.0	Bottom of Boring @ 50 ft

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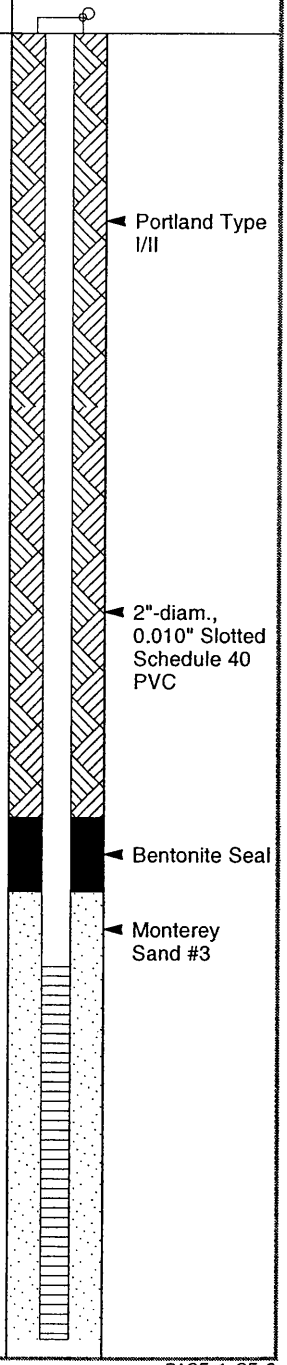
BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	MW-6
JOB/SITE NAME	snl1285	**DRILLING STARTED**	17-May-99
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	17-May-99
PROJECT NUMBER	241-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hollow-stem auger limited access	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	8"	**SCREENED INTERVAL**	25 to 50 ft bgs
LOGGED BY	J. Riggi	**DEPTH TO WATER (First Encountered)**	32.0 ftNA ▽
REVIEWED BY	A. Le May, RG	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5' bgs.		

TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
				0		**Silty Clayey Sandy GRAVEL**; (FILL); brown; damp; 20% clay, 15% silt, 25% sand, 40% gravel; low plasticity; low estimated permeability.	
							2.0
						Clayey SAND; (SC); brown; damp; 25% clay, 10% silt, 65% fine grained sand; low plasticity; low estimated permeability.	
<1.0	NA	100%	MW-6 -5'	5			
<1.0	NA	100%	MW-6 -10'	10			
<1.0	NA	100%	MW-6 -15'	15			
<1.0	NA	100%	MW-6 -20'	20	SC		
<1.0	NA	100%	MW-6 -25'	25			
<1.0	NA	100%	MW-6 -30'	30			
				35			



WELL LOG (TPH-G) G:\SNL1285\GINT\SNL1285.GPJ DEFAULT.GDT 7/27/99

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	MW-6
JOB/SITE NAME	snl1285	**DRILLING STARTED**	17-May-99
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	17-May-99

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TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
273	NA	100%	MW-6 -35'							
								Clayey Sandy GRAVEL; (GC); brown; wet; 20% clay, 10% silt, 30% sand, 50% fine to coarse grained gravel; low plasticity; high estimated permeability.	37.5	2"-diam., 0.010" Slotted Schedule 40 PVC
96.1	NA	100%	MW-6 -40'		40	GC				
								Clayey SAND; (SC); brown; wet; 30% clay, 10% silt, 60% fine grained sand; low plasticity; low estimated permeability.	42.5	
1.83	NA	100%	MW-6 -45'		45	SC				
					50				50.0	Bottom of Boring @ 50 ft

WELL LOG (TPH-G) G:\SNL1285\GINT\SNL1285.GPJ DEFAULT.GDT 7/27/99

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	MW-7
JOB/SITE NAME	snl1285	**DRILLING STARTED**	17-May-99
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	17-May-99
PROJECT NUMBER	241-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hollow-stem auger limited access	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	8"	**SCREENED INTERVAL**	25 to 50 ft bgs
LOGGED BY	J. Riggi	**DEPTH TO WATER (First Encountered)**	35.6 ft (17-May-99) ▽
REVIEWED BY	A. Le May, RG	**DEPTH TO WATER (Static)**	32.90ft (17-May-99) ▼

REMARKS Hand augered to 5' bgs; located in driveway behind Shell on property line.

TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
						Sandy Clayey GRAVEL; (FILL); brown; dry; 20% clay, 10% silt, 20% sand, 50% gravel; low plasticity; low estimated permeability.	2.0
					SC	**Clayey SAND**; (SC); brown; damp; 30% clay, 10% silt, 60% fine grained sand; low plasticity; low estimated permeability.	5.0
<1.0	NA	100%	MW-7 -5'	5	ML	**Clayey SILT**; (ML); brown; damp; 30% clay, 60% silt, 10% fine grained sand; low plasticity; low estimated permeability.	7.5
					SC	**Silty Clayey SAND**; (SC); brown; damp; 30% clay, 20% silt, 50% fine grained sand; low plasticity; low estimated permeability.	
<1.0	NA	100%	MW-7 -10'	10			12.5
						Clayey SILT; (ML); brown; damp; 30% clay, 50% silt, 20% fine grained sand; low plasticity; low estimated permeability.	
<1.0	NA	100%	MW-7 -15'	15	ML		
<1.0	NA	100%	MW-7 -20'	20			22.5
						Silty Clayey SAND; (SC); brown; damp; 35% clay, 25% silt, 40% fine grained sand; low plasticity; low estimated permeability.	
<1.0	NA	100%	MW-7 -25'	25			
<1.0	NA	100%	MW-7 -30'	30	SC		
				35			

WELL DIAGRAM: Portland Type I/II; 2" diam., Schedule 40 PVC; Bentonite Seal; Monterey Sand #3

WELL LOG (TPH-G) G:\SNL1285\GINT\SNL1285.GPJ DEFAULT.GDT 7/27/99

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	MW-7
JOB/SITE NAME	snl1285	**DRILLING STARTED**	17-May-99
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	17-May-99

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TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
<1.0	NA	100%	MW-7 -35'							
								▽		
									37.5	2"-diam., 0.010" Slotted Schedule 40 PVC
<1.0	NA	100%	MW-7 -40'		40			**Clayey SAND**; (SC); brown; wet; 30% clay, 10 % silt, 60% fine grained sand; low plasticity; low estimated permeability.		
						SC				
<1.0	NA	100%	MW-7 -45'		45					
					50				50.0	Bottom of Boring @ 50 ft

WELL LOG (TPH-G) G:\SNL1285\GINT\SNL1285.GPJ DEFAULT.GDT 7/27/99

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	MW-8
JOB/SITE NAME	snl1285	**DRILLING STARTED**	19-May-99
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	19-May-99
PROJECT NUMBER	241-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hollow-stem auger limited access	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	8"	**SCREENED INTERVAL**	25 to 50 ft bgs
LOGGED BY	J. Riggi	**DEPTH TO WATER (First Encountered)**	36.0 ft (19-May-99) ▽
REVIEWED BY	A. Le May, RG	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5' bgs.		

TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								CONCRETE.	0.3	
								Sandy Clayey SILT; (ML); brown; damp; 25% clay, 60% silt, 15% fine grained sand; low plasticity; low estimated permeability.		
<1.0		100%	MW-8 -5'		5					Portland Type I/II
						ML				
<1.0		100%	MW-8 -10'		10					
<1.0		100%	MW-8 -15'		15					2" diam., Schedule 40 PVC
									17.5	
								Silty Clayey SAND; (SC); brown; damp; 25% clay, 20% silt, 55% fine grained sand; low plasticity; low estimated permeability.		
<1.0		100%	MW-8 -20'		20					Bentonite Seal
<1.0		100%	MW-8 -25'		25	SC				Monterey Sand #3
<1.0		100%	MW-8 -30'		30					
									32.5	
								Sandy GRAVEL; (GW); brown to grey; wet; 5% silt, 45% fine to coarse grained sand; 50% fine to coarse grained gravel; no plasticity; high estimated permeability.		
					35					

WELL LOG (TPH-G) G:\SNL1285\GINT\SNL1285.GPJ DEFAULT.GDT 7/27/99

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	MW-8
JOB/SITE NAME	snl1285	**DRILLING STARTED**	19-May-99
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	19-May-99

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TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
<1.0		100%	MW-8 -35'			GW				
								Clayey SAND; (SC); brown; wet; 25% clay, 10% silt, 65% fine grained sand; low plasticity; low estimated permeability.	37.5	2"-diam., 0.010" Slotted Schedule 40 PVC
<1.0		100%	MW-8 -40'		40					
						SC				
<1.0		100%	MW-8 -45'		45					
					50				50.0	Bottom of Boring @ 50 ft

WELL LOG (TPH-G) G:\SNL1285\GINT\SNL1285.GPJ DEFAULT.GDT 7/27/99

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-9
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	10-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	10-Feb-04
PROJECT NUMBER	246-0504-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	66.03
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	65.55 ft
BORING DIAMETER	10"	**SCREENED INTERVAL**	45 to 50 ft bgs
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	35.0 ft (10-Feb-04) ▽
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
						GM		**Asphalt.**	0.6	
								Silty GRAVEL; (GM); Light brown; loose; dry; 30% silt, 70% gravel.	1.0	
								Clayey SILT; (ML); Dark brown; soft; dry; 45% clay, 55% silt; low plasticity.		
						ML				
0		NA	MW-9 5'		5					
									7.5	
								CLAY; (CL); Dark brown; medium stiff; dry; 90% clay, 10% silt.		
0		NA	MW-9 10'		10					
						CL				
0		NA	MW-9 15'		15					
									17.5	
								Clayey SILT; (ML); Light brown; medium dense; dry; 35% clay, 55% silt, 10% sand.		
0		NA	MW-9 20'		20	ML				Portland Type I/II
										4" diam., Schedule 40 PVC
									25.0	
0		NA	MW-9 25'		25			**CLAY**; (CL); Olive gray (stained); very stiff; dry; 95% clay, 5% silt; strong hydrocarbon odor.		
						CL				
0		NA	MW-9 30'		30					
									32.5	
						GC		**Clayey GRAVEL**; (GC); Olive gray (stained); medium stiff; wet; 40% clay, 60% gravel; strong hydrocarbon odor.		
					35			▽	35.0	

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 4/26/04

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-9
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	10-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	10-Feb-04

Continued from Previous Page

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
51		NA	MW-9 35'			SP / GC		**Poorly graded SAND**; (SP); Olive gray (stained); loose; wet; 100% sand; strong hydrocarbon odor. **Clayey GRAVEL**; (GC); Olive gray (stained); medium stiff; wet; 40% clay, 60% gravel; strong hydrocarbon odor. No recovery	35.2 / 37.5	
		NA	MW-9 40'		40					Bentonite Seal
						GC		**Clayey GRAVEL**; (GC); Olive gray (stained); soft; wet; 30% clay, 70% gravel; strong hydrocarbon odor.	42.5	
78		NA	MW-9 45'		45	SW		**Well graded SAND with Gravel**; (SW); Olive gray (stained); loose; wet; 80% sand, 20% gravel.	45.0	Lonestar Sand #2/12
						CL		**CLAY with Sand and Silt**; (CL); Light brown; very stiff; damp to moist; 60% clay, 15% silt, 25% sand.	47.5	4"-diam., 0.010" Slotted Schedule 40 PVC
10			MW-9 49.5'		50				50.0	Bottom of Boring @ 50 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 4/26/04

Cambria Environmental Technology, Inc.
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Telephone: (510) 420-0700
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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-10
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	11-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	11-Feb-04
PROJECT NUMBER	246-0504-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	64.80
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	64.36 ft
BORING DIAMETER	8"	**SCREENED INTERVAL**	30 to 40 ft bgs
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	30.0 ft (11-Feb-04) ▽
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
								Asphalt.	1.0
						GM		**Silty GRAVEL**; (GM); Brown; medium dense; dry; 40% silt, 60% gravel.	2.3
								SILT; (ML); Grayish brown; medium dense; dry; 5% clay, 90% silt, 5% sand.	
0		NA	MW-10 -5'		5	ML			
									7.5
								CLAY with Silt; (CL); Dark brown; medium stiff; dry; 75% clay, 25% silt.	
0		NA	MW-10 -10'		10	CL			
0		NA	MW-10 -15'		15				
									17.5
								Clayey SILT; (ML); Dark brown; medium dense; dry; 35% clay, 65% silt.	
0		NA	MW-10 -20'		20	ML			
									22.5
								Silty CLAY; (CL); Brown; medium stiff; wet; 55% clay, 35% silt, 10% sand.	
0		NA	MW-10 -25'		25	CL			
0		NA	MW-10 -30'		30			▽	
									32.5
								Well graded SAND with Gravel; (SW); Dark gray; loose; wet; 80% sand, 20% gravel.	
					35				

WELL DIAGRAM: Portland Type I/II; 2" diam., Schedule 40 PVC; Bentonite Seal; Lonestar Sand #2/12

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 4/26/04

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-10
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	11-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	11-Feb-04

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PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0		NA	MW-10 -35'			SW				2"-diam., 0.010" Slotted Schedule 40 PVC
0		NA	MW-10 -40'		40				40.0	Bottom of Boring @ 40 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 4/26/04

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-11
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	10-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	10-Feb-04
PROJECT NUMBER	246-0504-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	63.94
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	63.54 ft
BORING DIAMETER	8"	**SCREENED INTERVAL**	40 to 45 ft bgs
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	35.0 ft (10-Feb-04)
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
								Asphalt.	1.0
						GW		**Well graded GRAVEL**; (GW); Dark brown; dry; 100% Gravel.	3.5
0		NA	MW-11 -5'		5			**CLAY with Silt**; (CL); Dark brown; medium stiff; dry; 85% clay, 15% silt; low plasticity.	
0		NA	MW-11 -10'		10				
0		NA	MW-11 -15'		15	CL		Clay with little to no fines.	
0		NA	MW-11 -20'		20				
0		NA	MW-11 -25'		25			Silted clay with fine sand; dark brown; soft; damp; 60% clay, 25% silt, 15% sand; low plasticity.	
0		NA	MW-11 -30'		30				32.5
					35			**Clayey SAND**; (SC); Light grayish brown; loose; wet; 20% clay, 10% silt, 60% sand, 10% gravel.	

WELL DIAGRAM: Portland Type I/II; 2" diam., Schedule 40 PVC

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 4/26/04

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-11
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	10-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	10-Feb-04

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PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0		NA	MW-11 -35'			SC				
									37.5	Bentonite Seal
								Well graded GRAVEL with Sand; (GW); Light brown; loose; wet; 25% sand, 75% gravel.		
0		NA	MW-11 -40'		40	GW				Lonestar Sand #2/12
									42.5	2"-diam., 0.010" Slotted Schedule 40 PVC
						SC		**Clayey SAND**; (SC); Light brown; loose; wet; 30% clay, 60% sand, 10% gravel.		
0		NA	MW-11 -44.5'		45				45.0	Bottom of Boring @ 45 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 4/26/04

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-12
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	12-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	12-Feb-04
PROJECT NUMBER	246-0504-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	65.97
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	65.58 ft
BORING DIAMETER	8"	**SCREENED INTERVAL**	40 to 45 ft bgs
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	35.0 ft (12-Feb-04) ▽
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
						GW		**Asphalt.**	0.6	
								Well graded GRAVEL; (GW); Brown; loose; dry; 100% Gravel.	1.0	
								Silty CLAY; (CL); Dark brown to black; stiff; dry; 80% clay, 20% silt.		
0		NA	MW-12 -5'		5					
0		NA	MW-12 -10'		10					
						CL				
0		NA	MW-12 -15'		15			Clay with little to no fines.		
										Portland Type I/II
0		NA	MW-12 -20'		20			Silty clay with fine sand; Grayish brown; medium stiff; dry; 65% clay, 35% silt.		2" diam., Schedule 40 PVC
0		NA	MW-12 -25'		25					
								Clayey SILT; (ML); Light brown; soft; damp; 45% clay, 55% silt; low plasticity.	27.5	
0		NA	MW-12 -30'		30	ML				
								Clayey SAND; (SC); Light brown; medium dense; damp to moist; 30% clay, 70% sand; low plasticity.	32.5	
						SC				
					35			▽		

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 4/26/04

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-12
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	12-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	12-Feb-04

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PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0		NA	MW-12 -35'			CL		**CLAY**; (CL); Light brown; very stiff; wet; 95% clay, 5% sand.	35.5	Bentonite Seal
						SW		**Well Graded SAND with Gravel**; (SW); Light brown; loose; wet; 80% sand, 20% gravel.	37.5	
0		NA	MW-12 -40'		40	SC		**Clayey SAND**; (SC); Brown; medium dense; wet; 20% clay, 80% sand.	40.2	Lonestar Sand #2/12
						ML		**Sandy SILT with Clay**; (ML); Brown; medium dense; wet; 15% clay, 55% silt, 30% sand.	42.5	2"-diam., 0.010" Slotted Schedule 40 PVC
								CLAY; (CL); Brown; very still; wet; 95% clay, 5% silt.	44.0	
0		NA	MW-12 -44.5'		45				45.0	Bottom of Boring @ 45 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 4/26/04

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	B-1
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	26-Jun-00
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	26-Jun-00
PROJECT NUMBER	242-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	J. Loetterle	**DEPTH TO WATER (First Encountered)**	32.1 ft (26-Jun-00) ▽
REVIEWED BY	S. Bork, RG# 5620	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5 fbg. Located in west driveway of Hale Apartments adjacent to parking area.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	0.3	
							Fill; light brown; moist; 20% silt, 70% sand, 10% gravel; high estimated permeability.	2.0	
							Sandy SILT (ML); brown; moist; 10% clay, 70% silt, 20% sand.		
		BV-1- 5.5		5					
		B-1-6 .5					@ 6.5' - dark brown; moist; 15% clay, 50% silt, 35% fine sand; low plasticity, low estimated permeability.		
				10					
		BV-1- 10.5					@ 11' - 15% clay, 45% silt, 40% fine sand.		
		B-1-1 1.0			ML				
		BP-1- 11.5		15					
		B-1-1 7.5					@ 17.5' - brown; 25% clay, 45% silt, 30% fine sand; medium plasticity.		◄ Portland Type I/II
		BV-1- 20.0		20			@ 20' - soft; irridescent sheen is visible.		
		B-1-2 0.5							
								23.5	
							Silty SAND (SM); brown; moist.		
		B-1-2 5.0		25			@ 25' - 10% clay, 40% silt, 50% sand; low plasticity; moderate estimated permeability.		
					SM				
		B-1-3 0.0		30			@ 30' - light brown; damp; 3% clay, 22% silt, 75% sand; no plasticity; moderate estimated permeability.		
							▽	32.0	
		BV-1- 32.0					**Sandy SILT** (ML); brown; wet; 5% clay, 45% silt, 40% sand; low plasticity; moderate estimated permeability.		
		BP-1- 32.5			ML				
				35					
		B-1-3 5.5						36.0	Bottom of Boring @ 36 ft

WELL LOG (PID) G:\SANLEA-1\GINT\SNL1285.GPJ DEFAULT.GDT 10/9/00

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	B-2
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	26-Jun-00
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	26-Jun-00
PROJECT NUMBER	242-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	J. Loetterle	**DEPTH TO WATER (First Encountered)**	33.0 ft (26-Jun-00) ▽
REVIEWED BY	S. Bork, RG# 5620	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Hand augered to 5 fbg. Located in west driveway of Hale Apartments adjacent to 560 Estudillo Ave.

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	0.3	
							FILL; light brown; moist; 20% silt, 70% sand, 10% gravel; high estimated permeability.	2.0	
					ML		**Sandy SILT** (ML); brown; moist; 5% clay, 70% silt, 25% fine sand; low plasticity; moderate estimated permeability.		
		BV-2- 5.0		5				6.0	
		B-2-6 .0			SM		**Silty SAND** (SM); light brown; moist; 5% clay, 45% silt, 50% fine sand; no plasticity; moderate estimated permeability.	7.0	
							Sandy SILT (ML); brown; moist; 10% clay, 60% silt, 30% fine sand; low plasticity; moderate estimated permeability; contains rootlets.		
		BV-2- 10.0		10			@ 10' - 5% clay, 55% silt, 40% sand.		
		B-2-1 1.0							
		BP-2- 11.5					@ 13' - light brown; 15% clay, 60% silt, 25% fine sand; no plasticity.		
		B-2-1 5.0		15					
					ML		@ 17' - brown; 15% clay, 60% silt, 25% fine sand; low plasticity; contains rust stains.		◄ Portland Type I/II
		BV-2- 20.0		20					
		B-2-2 1.0					@ 21' - dark brown; 10% clay, 60% silt, 30% sand.		
							@ 24' - 10% clay, 50% silt, 40% sand.		
		B-2-2 5.5		25					
							@ 28' - 10% clay, 60% silt, 30% sand.		
		B-2-3 0.0		30				30.5	
		BP-2- 31.0					**Silty SAND** (SM); brown; moist; 5% clay, 25% silt, 70% sand; no plasticity; moderate estimated permeability. ▽		
		BV-2- 32.5			SM				
				35				36.0	Bottom of Boring @ 36 ft

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	B-3
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	27-Jun-00
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	27-Jun-00
PROJECT NUMBER	242-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	J. Loetterle	**DEPTH TO WATER (First Encountered)**	34.9 ft (27-Jun-00) ▽
REVIEWED BY	S. Bork, RG# 5620	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5 fbg. Located in east driveway of Hale Apratments adjacent to 572 Estudillo Ave.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	0.3	
							FILL; light brown; moist; 20% silt, 70% sand, 10% gravel.	2.0	
							Sandy SILT (ML); dark brown, moist.		
		BV-3- 5.0		5					
		B-3-6 .0					@ 6' - 15% clay, 60% silt, 25% fine sand; low to medium plasticity, moderate estimated permeability.		
							@ 9' - 15% clay, 55% silt, 30% sand; contains rust stains.		
		BV-3- 10.0		10					
		BP-3- 10.5							
		B-3-1 1.0			ML		@ 13' - 10% clay, 55% silt, 35% sand; low plasticity.		
		B-3-1 5.0		15			@ 15' - light brown; 10% clay, 50% silt, 40% sand.		
							@ 17' - 10% clay, 60% silt, 30% sand; low to medium plasticity.		◄ Portland Type I/II
		BV-3- 20.0		20					
		B-3-2 1.0					@ 21' - contains organics.		
							@ 23' - brown; damp; 5% clay, 55% silt, 40% sand; low plasticity.		
		B-3-2 5.0		25				26.0	
					SM		**Silty SAND** (SM); brown; damp; 5% clay, 35% silt, 60% fine sand; low plasticity; moderate estimated permeability; contains rust stains.	28.0	
					ML		**Sandy SILT** (ML); brown; damp; 5% clay, 50% silt, 45% fine sand; low plasticity; moderate estimated permeability; contains rust stains.	30.0	
		B-3-3 0.0		30			**Silty SAND** (SM); grey/brown; wet; 5% clay, 45% silt, 50% sand; low plasticity; moderate estimated permeability.		
		BP-3- 31.5			SM		@ 32' - brown.		
		BV-3- 32.0							
		B-3-3 4.5		35			@ 34' - grey/brown. ▽	35.0	Bottom of Boring @ 35 ft

WELL LOG (PID) G:\SANLEA~1\GINT\SNL1285.GPJ DEFAULT.GDT 10/9/00

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	B-4
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	27-Jun-00
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	27-Jun-00
PROJECT NUMBER	242-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	J. Loetterle	**DEPTH TO WATER (First Encountered)**	35.5 ft (27-Jun-00) ▽
REVIEWED BY	S. Bork, RG# 5620	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Hand augered to 5 fbg. Located in east driveway of Hale Apartments adjacent to entrance to 572 Estudillo Ave.

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	0.3	
							FILL; light brown; moist; 20% silt, 70% sand, 10% gravel; no plasticity; high estimated permeability.	2.0	
							Sandy SILT (ML); dark brown; moist.		
		BV-4- 5.0		5			@ 5' - 5% clay, 70% silt, 25% fine sand; low plasticity; moderate estimated permeability; contains rust stains.		
		B-4-7 .0					@ 7' - 5% clay, 60% silt, 35% fine to medium sand.		
				10			@ 9' - 5% clay, 70% silt, 25% fine sand.		
		BV-4- 10.0					@ 11' - 5% clay, 60% silt, 30% fine sand, 5% medium sand.		
		B-4-1 1.0					@ 12' - 3% clay, 50% silt, 47% sand; contains rust stains.		
		BP-4- 11.5			ML		@ 14' - 5% clay, 70% silt, 25% fine sand; contains organics.		
		B-4-1 5.0		15			@ 17' - firm.		Portland Type I/II
		B-4-1 9.5		20			@ 19' - irridescent sheen is visible		
		BV-4- 20.0					@ 20' - 5% clay, 55% silt, 40% sand.		
							@ 23' - light brown; 5% clay, 55% silt, 35% fine sand, 5% medium sand.		
		B-4-2 5.0		25				27.0	
		B-4-3 0.0		30			**Silty SAND** (SM); light brown; damp; 5% clay, 45% silt, 50% sand; low plasticity; moderate estimated permeability.		
		BP-4- 31.5			SM		@ 29' - 5% clay, 20% silt; 75% sand; no plasticity; high estimated permeability.		
		BV-4- 32.0					@ 30' - brown; wet; 10% silt; 90% fine to medium sand.		
		B-4-3 5.0		35			@ 31' - 5% clay, 20% silt, 75% sand; low to no plasticity; contains rust stains.		
							@ 35' - saturated; 5% clay, 45% silt, 50% sand; moderate estimated permeability. ▽	36.0	Bottom of Boring @ 36 ft

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	B-5
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	27-Jun-00
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	27-Jun-00
PROJECT NUMBER	242-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	J. Loetterle	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	S. Bork, RG# 5620	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Hand augered to 5 fbg. Located in east driveway of Hale Apartments adjacent to northeast corner of 572Estudillo Ave.

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	0.3	
							FILL; light brown; moist; 20% silt, 70% sand, 10% gravel; no plasticity; high estimated permeability.	2.0	
							Sandy SILT (ML); dark brown; moist.		
		BV-5- 5.0		5					
		B-5-7 .0 BP-5- 7.5					@ 6' - soft; 10% clay, 70% silt, 20% sand; low to medium plasticity; moderate estimated permeability.		
		BV-5- 10.0 B-5-1 0.5		10			@ 10' - firm; 5% clay, 60% silt, 35% fine sand; low plasticity; moderrate estimated permeability; contains organics and rust stains.		
					ML		@ 13' - 5% clay, 50% silt, 45% sand.		
		B-5-1 5.0		15					
							@ 17' - very stiff; 10% clay, 70% silt, 20% sand.		
							@ 19' - brown; 10% clay, 55% silt, 35% sand; irridescent sheen is visible.		◄ Portland Type I/II
		BV-5- 20.0 B-5-2 1.0		20			@ 22' - light brown; 5% clay, 50% silt, 45% fine sand.		
							@ 24' - 10% clay, 55% silt, 35% sand.		
		B-5-2 5.0		25				26.0	
							Silty SAND (SM); light brown; damp; 5% clay, 30% silt, 65% fine to coarse sand; low plasticity; high estimated permeability; contains rust stains and organics; irridescent sheen is visible.		
		B-5-3 0.0		30	SM				
		BV-5- 32.0					@ 33' - wet; 10% clay, 15% silt, 75% sand.		
		BP-5- 34.0						35.0	
		B-5-3 4.5		35			**Sandy SILT** (ML); brown; wet; 10% clay, 70% silt, 20% sand; low plasticity; moderate estimated permeability; contains organics.		
					ML				
		B-5-3 8.5					@ 38' - soft; saturated; 30% clay; 60% silt; 10% sand; high plasticity; low estimated permeability.	39.0	Bottom of Boring @ 39 ft

WELL LOG (PID) G:\SANLEA~1\GINT\SNL1285.GPJ DEFAULT.GDT 9/29/00

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	B-6
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	27-Jun-00
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	27-Jun-00
PROJECT NUMBER	242-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	J. Loetterle	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	S. Bork, RG# 5620	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Hand augered to 5 fbg. Located in east driveway of Hale Apartments adjacent to parking area.

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	0.3	
							FILL; light brown; moist; 20% silt, 70% sand, 10% gravel; no plasticity; high estimated permeability.	2.0	
							Sandy SILT (ML); dark brown; moist; 15% clay, 70% silt, 15% sand; medium plasticity; low estimated permeability.		
		BV-6- 5.0		5					
		BP-6- 6.5							
				10	ML		@ 9' - 10% clay, 65% silt, 25% sand; low plasticity; moderate estimated permeability.		
		BV-6- 10.0					@ 10' - 5% clay, 65% silt, 30% fine to medium sand; contains organics.		
		B-6-1 0.5							
							@ 13' - firm; 5% clay, 70% silt, 25% fine sand.		
				15					
		B-6-1 6.5							Portland Type I/II
				20			@ 19' - light brown; 5% clay, 55% silt, 40% sand; no plasticity	20.0	
		BV-6- 20.0					**Silty SAND** (SM); light brown; moist; 5% clay, 40% silt, 55% sand; low plasticity; moderate estimated permeability; contains organics.		
		B-6-2 0.5			SM				
								24.0	
					ML		**Sandy SILT** (ML); light brown; moist; 5% clay, 55% silt, 40% sand; low plasticity; moderate estimated permeability.	25.0	
		B-6-2 5.0		25			**Silty SAND** (SM); light brown; moist; 5% clay, 40% silt, 55% fine to medium sand, low plasticity; moderate estimated permeability.		
							@ 27' - contains organics.		
		B-6-3 0.0		30	SM		@ 30' - 3% clay, 20% silt, 77% fine to coarse sand; no plasticity; high estimated permeability.		
		BV-6- 31.5					@ 31' - 20% silt, 80% fine sand; very high estimated permeability.		
							@ 32' - wet.		
				35			@ 34' - 5%clay, 30% silt, 65% fine sand; low plasticity; moderate estimated permeability; contains organics and rust stains.	36.0	Bottom of Boring @ 36 ft
		BP-6- 35.0							
		B-6-3 5.5							

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-1
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	04-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	04-Aug-03
PROJECT NUMBER	245-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	65
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	37.7 ft (04-Aug-03)
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	37.2 ft (04-Aug-03)
REMARKS	Hand augered to 5 fbg, direct push tool, no samples from 5 to 28 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								Asphalt.	0.6	
								Gravel/Road Base.	2.0	
								SILT; (ML); brown; soft; damp; 5% clay, 80% silt; 15% very fine sand; low plasticity.		
					5					
					10					
					15	ML		Direct push 5 fbg to 28 fbg.		
					20					
					25					
									28.0	
					30	ML		**SILT**; (ML); dark yellowish brown; medium stiff; very damp; 20% clay, 75% silt, 5% sand.		
0			SB-1-31'						31.0	
0			SB-1-33'			SM		**Silty SAND**; (SM); light yellowish brown; soft to loose; wet; 30% silt, 60% sand, 10% small gravel.		
					35				35.0	

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 10/17/03

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-1
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	04-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	04-Aug-03

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PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0			SB-1-35'			SW		**Well Graded SAND with Gravel**; (SW); olive brown; loose; wet; 55% sand, 45% gravel.		
								Grab groundwater sample colected at 37.7 fbg.		
0			SB-1-40'		40	GC		**Clayey GRAVEL with Sand**; (GC); gray; soft; wet; 35% clay, 15% sand, 50% gravel.	40.0	
						ML		**Gravelly SILT with Sand**; (ML); brownish gray; soft; wet; 60% silt, 20% sand, 20% gravel.	42.0	
			No Recovery		45	SM		**Silty SAND**; (SM); brownish gray; very dense to hard; damp; 45% silt, 55% sand.	44.5	
						SP		**Poorly Graded SAND**; (SP); brownish gray; loose; wet; 100% sand.	46.0	
						GW		**Well Graded GRAVEL with Sand**; (GW); brownish gray; loose; wet; 45% sand, 55% gravel.	46.5	
0			SB-1-47.5'						48.0	Bottom of Boring @ 48 ft

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-2
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	05-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	05-Aug-03
PROJECT NUMBER	245-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	65
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	37.0 ft (05-Aug-03)
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	37.0 ft (05-Aug-03)

REMARKS Hand augered to 5 fbg, direct push tool, no samples from 5 to 25 fbg.

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								Grass.		
								SILT; (ML); Brown; soft; damp; 95% Silt, 5% very fine Sand.	0.6	
					5					
					10	ML				
					15			Direct push from 5 fbg to 25 fbg.		
					20					
0			SB-2-25'		25	ML		**SILT**; (ML); brown; soft; damp; 80% silt, 20% very fine sand; low plasticity.	25.0	
0			SB-2-30'		30	SM		**Silty SAND**; (SM); olive brown; soft; loose; damp; 5% clay; 20% silt; 70% sand; 5% gravel.	30.0	
0.3			SB-2-32'			CL		**Silty CLAY**; (CL); olive brown; very stiff; damp; 60% clay, 30% silt, 10% sand.	32.0	
					35					

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 10/17/03

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-2
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	05-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	05-Aug-03

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PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0			SB-2-35'							
0			SB-2-37'			ML		**SILT**; (ML); olive brown; soft to loose; wet; 60% silt, 40% fine sand. Grab groundwater sample collected at 38 fbg.	▼ 37.0	
									39.5	
1.2			SB-2-40'		40	GW		**Well Graded GRAVEL with Sand**; (GW); olive gray; loose; wet; 20% sand, 80% gravel.		
									44.0	
0.6			SB-2-45'		45	SM		**Silty SAND**; (SM); olive brown; loose; wet; 5% clay, 20% silt, 70% sand, 5% gravel.		
									48.0	
0			SB-2-50'		50	GW		**Well Graded GRAVEL with Sand**; (GW); olive brown; loose; wet; 40% sand, 60% gravel.		
									52.0	Bottom of Boring @ 52 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 10/17/03

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-3
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	05-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	05-Aug-03
PROJECT NUMBER	245-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	65
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	37.0 ft (05-Aug-03) ▽
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	37.0 ft (05-Aug-03) ▼
REMARKS	Hand augered to 5 fbg, direct push tool, no samples from 5 to 25 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								Grass.	0.6	
								SILT; (ML); brown; soft; damp; 95% silt, 5% sand.		
					5					
					10					
					15			Direct push from 5 fbg to 25 fbg.		
					20					
0			SB-3-25'		25	ML		**SILT**; (ML); dark brown; soft; damp; 80% silt, 20% fine sand; low plasticity.	25.0	
0			SB-3-30'		30	SM		**Silty SAND**; (SM); light brown; soft/loose; damp; 10% clay, 20% silt, 60% sand, 10% gravel; low plasticity.	31.0 32.0	
						SC		**Clayey SAND**; (SC); olive brown; hard; damp; 45% clay, 55% sand.	34.8	
					35					

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 10/17/03

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-3
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	05-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	05-Aug-03

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PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0			SB-3-35'					**Well Graded GRAVEL with Sand**; (GW); olive brown; loose; wet; 40% sand, 60% gravel.		
0			SB-3-37'			GW		Grab groundwater sample collected at 37 fbg. ▼		
0			SB-3-40'		40				40.5	
						SM		**Silty SAND**; (SM); olive brown; loose; wet; 10% clay, 30% silt, 50% sand, 10%gravel.		
0			SB-3-45'		45			20% clay, 25% silt, 50% sand, 5% gravel.	49.0	
0			SB-3-50'		50	GW		**Well Graded GRAVEL with Sand**; (GW); olive brown; loose; wet; 40% sand, 60% gravel.	52.0	Bottom of Boring @ 52 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 10/17/03

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-4
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	05-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	05-Aug-03
PROJECT NUMBER	245-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	65
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	37.0 ft (05-Aug-03) ▽
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	37.0 ft (05-Aug-03) ▼
REMARKS	Hand augered to 5 fbg, direct push tool, no samples from 5 to 25 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
					0			Grass.		
								SILT; (ML); brown; soft; damp; 100% silt.	0.6	
					5					
					10	ML				
					15			Direct push from 5 fbg to 25 fbg.		
					20					
0.1			SB-4-25'		25	ML		**Clayey SILT**; (ML); dark brown; medium dense; damp; 25% clay, 70% silt, 5% sand, low plasticity.	25.0	
						SM		**Silty SAND**; (SM); light brown; soft; damp; 15% clay, 25% silt, 60% sand; low plasticity.	28.0	
0.3			SB-4-30'		30					
					35			**Silty CLAY**; (CL); olive brown; stiff; damp; 60% clay,	34.0	

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 10/17/03

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-4
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	05-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	05-Aug-03

Continued from Previous Page

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0.3			SB-4-35'			CL		30% silt, 10% sand; low to medium plasticity.	37.0	
0			SB-4-37'			GW		**Well Graded GRAVEL**; (GW); olive brown; medium dense; wet; 40% sand, 60% gravel. Grab groundwater sample collected at 37 fbg.	40.0	
0.2			SB-4-40'		40	SM		**Silty SAND with Clay and Gravel**; (SM); olive brown soft; wet; 10% clay, 25% silt, 60% sand, 5% gravel.	44.0	
0.1			SB-4-45'		45	GW		**Well Graded GRAVEL with Sand**; (GW); olive brown; loose; wet; 40% sand, 60% gravel.	49.5	
0.1			SB-4-50'		50	GM		**Silty GRAVEL with Sand**; (GM); olive brown; loose; wet; 5% clay 20% silt, 15% sand, 60% gravel.	52.0	Bottom of Boring @ 52 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 10/17/03

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-6
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	07-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	07-Aug-03
PROJECT NUMBER	245-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	65
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	37.0 ft (07-Aug-03)
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	37.0 ft (07-Aug-03)
REMARKS	Hand augered 5 fbg, collect samples starting at 10 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
				0		**Asphalt.**	0.6
					ML	**Clayey SILT**; (ML); dark brown; medium dense; damp; 20% clay, 75% silt, 5% fine sand; low plasticity.	
				5		Top 5' hand augered, dark brown silt (ML); damp; 100% silt.	
0			SB-6-10'	10			
0			SB-6-15'	15			
0			SB-6-20'	20		30% clay, 60% silt, 5% fine sand, 5% very samll gravel; low plasticity.	
0.5			SB-6-25'	25	SM	**Silty SAND with Gravel**; (SM); olive brown; soft; damp; 25% silt, 70% sand, 5% gravel.	25.0
0.7			SB-6-30'	30	GW	**Well graded GRAVEL**; (GW); olive gray; loose; damp; 10% clay, 25% silt, 65% sand.	30.0
				35		**Silty CLAY**; (CL); olive brown; very stiff; damp; 75% clay, 20% silt, 5% gravel.	33.0

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 10/17/03

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-6
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	07-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	07-Aug-03

Continued from Previous Page

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
11			SB-6-35'			CL			▼ 37.0	
0			SB-6-37'			SM		**Silty SAND with Gravel**; (SM); olive brown; soft; wet; 10% clay, 80% silt, 10% sand; low plasticity. Grab groundwater sample collected at 37 fbg.		
1.2			SB-6-40'		40					
0			SB-6-45'		45					
0			SB-6-50'		50	GW		**Well graded GRAVEL with Silt and Sand**; (GW); olive gray; loose; wet; 10% clay, 10% silt, 80% sand.	50.0 52.0	Bottom of Boring @ 52 ft

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-7
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	07-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	07-Aug-03
PROJECT NUMBER	245-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	66.5
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	37.0 ft (07-Aug-03)
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	37.0 ft (07-Aug-03)
REMARKS	Hand augered 5 fbg, collect samples starting at 10 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
						Asphalt.	0.6
				5	ML	**SILT**; (ML); dark brown; soft; damp; 100% silt.	
0			SB-6-10'	10		(ML); silt with some very fine sands; 95% silt, 5% very fine sand.	13.0
0.4			SB-6-15'	15	SM	**Silty SAND**; (SM); dark brown; medium dense; damp; 10% clay, 25% silt, 65% sand; low plasticity.	
0.7			SB-6-20'	20			
1.7			SB-7-25'	25			26.3
					ML	**SILT**; (ML); olive brown; very soft; damp; 5% clay, 90% silt, 5% very fine sand; hydrocarbon odor. Olive gray; hydrocarbon odor.	30.0
3.7			SB-7-30'	30	CL	**Silty CLAY**; (CL); olive gray; medium stiff; damp; 55% clay, 45% silt; medium plasticity; hydrocarbon odor.	34.3
				35		**Clayey SILT**; (ML); olive gray; soft; damp to wet; 30%	

WELL DIAGRAM

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 10/17/03

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-7
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	07-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	07-Aug-03

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PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
485			SB-7-35'			ML		clay, 60% silt, 10% very fine sand; low plasticity.		
711			SB-7-37'					First encountered water approximately 37 fbg; 20% clay, 70% silt, 10% very fine sand. Grab groundwater sample collected at 38 fbg.		
819			SB-7-40'		40					
								Some small sub-rounded gravels.	44.8	
1,692			SB-7-45'		45	GW		**Well Graded GRAVEL with Silt and Sand**; (GW); olive gray; loose; wet; 15% silt, 15% sand, 70% gravel; strong hydrocarbon odor.		
1,775			SB-7-50'		50	CL		**Silty CLAY**; (CL); olive brown; very stiff; damp; 65% clay, 20% silt, 10% sand, 5% gravel; low plasticity; hydrocarbon odor.	50.3 52.0	Bottom of Boring @ 52 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 10/17/03

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SB-9
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	12-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	12-Feb-04
PROJECT NUMBER	246-0504-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	7"	**SCREENED INTERVAL**	NA
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	35.0 ft (12-Feb-04) ▽
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
				0		**Asphalt.**	0.6
					ML	**Sandy SILT**; (ML); Brown; loose; dry; 65% silt, 35% sand.	
0		NA	SB-9-5'	5			
0		NA	SB-9-10'	10		**Clayey SILT**; (ML); Dark brown; medium dense; dry; 30% clay, 70% silt.	12.5
0		NA	SB-9-15'	15	CL	**CLAY with Silt**; (CL); Dark brown; very stiff; dry; 80% clay, 15% silt, 5% fine sand.	17.5
					SP	**Poorly Graded SAND**; (SP); Dark brown; loose; dry; 100% sand.	20.3
0		NA	SB-9-20'	20	GW	**Well graded GRAVEL with Sand**; (GW); Dark brown; loose; dry; 45% sand, 55% gravel.	
0		NA	SB-9-25'	25			27.5
0		NA	SB-9-30'	30	GM	**Silty GRAVEL with Sand**; (GM); Brown; loose; dry; 25% silt, 15% sand, 60% gravel.	32.5
					SC	**Clayey SAND**; (SC); Brown; soft; damp; 20% clay, 75% sand, 5% gravel; low plasticity.	34.0
0			SB-9-34.5'	35	CL	**CLAY**; (CL); Brown; very stiff; wet; 75% clay, 5% sand. ▽	35.0

WELL DIAGRAM: Bottom of Boring @ 35 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 4/26/04

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SB-10
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	10-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	10-Feb-04
PROJECT NUMBER	246-0504-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	7"	**SCREENED INTERVAL**	NA
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	33.0 ft (10-Feb-04) ▽
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								Asphalt.	0.6	
								Silty CLAY; (CL); Dark brown; medium stiff; dry; 80% clay, 40% silt.		
0		NA	SB-10 -5'		5					
0		NA	SB-10 -10'		10	CL				
0		NA	SB-10 -15'		15					
0		NA	SB-10 -20'		20			Silty clay with sand; light brown; medium stiff; dry; 60% clay, 25% silt, 15% sand.		
									22.5	
						SW		**Well graded SAND with Gravel**; (SW); Dark gray; loose; dry; 80% sand, 20% gravel.		
0		NA	SB-10 -25'		25					
									27.6	
						SC		**Clayey SAND**; (SC); Light brown; soft; damp; 45% clay, 55 % sand; low plasticity.		
									29.5	
0		NA	SB-10 -30'		30	CL		**CLAY**; (CL); Dark brown; very stiff; dry; 95% clay, 5% silt.		
									32.5	
						SC		**SAND with Clay**; (SC); Dark brown; loose; wet; 25% clay, 65% sand, 10% gravel; low plasticity. ▽		
0			SB-10 -34.5'		35				35.0	Bottom of Boring @ 35 ft

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SB-11
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	11-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	11-Feb-04
PROJECT NUMBER	246-0504-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	7"	**SCREENED INTERVAL**	NA
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	35.0 ft (11-Feb-04) ▽
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								Topsoil/grass.	0.6	
						GM		**Silty GRAVEL**; (GM); Dark brown; soft; damp; 20% silt, 80% gravel.	3.0	
0		NA	SB-11 -5'		5	ML		**SILT with Clay**; (ML); Dark brown; soft; damp; 20% clay, 80% silt.	7.5	
0		NA	SB-11 -10'		10			**CLAY with Silt**; (CL); Dark brown; soft; damp; 80% clay, 20% silt; low plasticity.		
0		NA	SB-11 -15'		15			Very stiff to hard; very few fines; 90% clay, 10% silt.		
0		NA	SB-11 -20'		20	CL				
0		NA	SB-11 -25'		25			Silty clay with some gravel; dark brown; soft; damp; 60% clay, 30% silt, 10% gravel; low plasticity.		
0		NA	SB-11 -30'		30					
		NA				ML		**Clayey SILT**; (ML); Grayish brown; medium dense; wet; 40% clay, 55% silt, 5% gravel.	32.5	
0			SB-11 -35'		35			▽	35.0	Bottom of Boring @ 35 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 4/26/04

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SB-12
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	13-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	13-Feb-04
PROJECT NUMBER	246-0504-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	7"	**SCREENED INTERVAL**	NA
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								Concrete.	1.0	
								Silty CLAY; (CL); Dark brown; soft; saturated/wet; 70% clay, 30% silt.		
0		NA	SB-12 -5'		5					
0		NA	SB-12 -10'		10			Low plasticity.		
0		NA	SB-12 -15'		15	CL		Clay with little to no fines; very stiff; 90% clay, 10% silt.		
0		NA	SB-12 -20'		20			Clay with fine sands; medium stiff; dry; 80% clay, 20% sand.		
0		NA	SB-12 -25'		25			Very hard clay.		
0		NA	SB-12 -30'		30			Silty clay; light brown; very stiff to hard; damp; 80% clay, 20% silt		
								Refusal @ 32 fbg.	32.0	Bottom of Boring @ 32 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 4/26/04